

Retail price and product guide

Comfort, Digital, Command, Control, Special



FULL SERVICE



OPERATOR SYSTEMS FOR GARAGE DOORS



OPERATOR SYSTEMS FOR SECTIONAL DOORS



OPERATOR SYSTEMS FOR SLIDING GATES



OPERATOR SYSTEMS FOR HINGED GATES



OPERATOR SYSTEMS FOR ROLLER SHUTTERS



PARC BARRIER SYSTEMS



ELECTRONIC CONTROL UNITS



PRODUCT SERVICE



ACCESSORIES



Prices. Functions. Applications. Technical data.

Marantec

Door operators > automatically the best choice

Terms of payment:

Prices are in £, ex works ex VAT.
Freight, postage and costs for packaging will be added to the price.

Payment:
Payment in advance, net.

This list supercedes and invalidates
all previous retail price lists

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Comfort 211

Operator system for garage doors

1.1



NEW

Comfort 211

| Article | Article no. | Price each |
|------------------------|-------------|-----------------|
| Motor unit Comfort 211 | 70 286 | £ 295.00 |

Package

- Motor unit Comfort 211 with multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 0,7 A |
| Power input in operation | 0,17 KW |
| Power input stand-by | < 3 W |
| Operation mode (duty cycle) | KB 2 Min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|--------------|
| Push and pull force | 450 N |
| Door travel speed | 120 mm / sec |
| Opening time (door specific) approx. | 18 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 277 x 137 x 160 mm |
| Weight | 3,0 kg |
| Range of temperature | -20°C to +60° C |
| Illuminant | LED |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection (cannot be programmed)
- Connection for pushbuttons, code keypads and key switches
- Connection potential-free limit switch information
- Error message
- Reset function
- Door travel speed can be programmed
- For operator rail lengths '11' and '12' with roller chain, toothed drive belt or ball rope

Application

- Operator system for garage doors - private use
- For up-and-over doors up to a door width of 3.000 mm and a door weight of 75 kg
- For single-walled sectional doors up to a door width of 3.500 mm and a door weight of 75 kg
- For double-walled sectional doors up to a door width of 2.500 mm and a door weight of 75 kg
- For retractable up-and-over doors and canopy doors up to a door width of 3.000 mm, a door height of 2.250 mm and a door weight of 75 kg
- For maximum 2 parking lots or maximum 6 operations per day

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 211 accu

1.2

Operator system for garage doors

**NEW**

Comfort 211 accu

| Article | Article no. | Price each |
|--|-------------|------------|
| Motor unit Comfort 211 battery-powered | 72 730 | £ 395.00 |

Package

- Motor unit Comfort 211 accu, pre-cabled
- Rechargeable battery
- Plug-in charger
- Multibit remote control 433 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 24 V DC |
| Rechargeable battery capacity | 7 Ah |
| Power consumption stand-by | 1,5 mA |
| Power input in operation | 0,12 KW |
| Power input stand-by | 0,036 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 400 N |
| Door travel speed | 120 mm/sec. |
| Opening time (door-specific) approx. | 18 sec. |

General details

| | |
|----------------------|---|
| Measurements | (Motor unit) 277 x 137 x 160 mm (Accumulator unit) 260 x 215 x 75 mm |
| Weight | (Motor unit) 2,3 kg (Accumulator unit) 5,5 kg |
| Range of temperature | -20°C to +60°C |
| Illuminant | LED |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Electronic travel cut-out
- Economy mode
- Release from inside
- Connection for key switch (2-wire technique)
- Connection for potential-free limit switch information
- Reset function
- Door travel speed can be programmed
- For operator rail lengths '11' and '12' with roller chain, toothed drive belt or ball rope

Application

- Operator system for garage doors - private use
- For up-and-over doors up to a door width of 3.000 mm and a door weight of 75 kg
- For single-walled sectional doors up to a door width of 3.500 mm and a door weight of 75 kg
- For double-walled sectional doors up to a door width of 2.500 mm and a door weight of 75 kg
- For retractable up-and-over doors and canopy doors up to a door width of 3.000 mm, a door height of 2.250 mm and a door weight of 75 kg
- For maximum 2 parking lots or maximum 6 operations per day
- Service life at 4 cycles per day
 - approx. 60 days at an ambient temperature of 20° C
 - approx. 40 days at an ambient temperature of 0° C
 - approx. 30 days at an ambient temperature of -20° C

Comfort 211 solar

Operator system for garage doors

1.3



NEW

Comfort 211 solar

| Article | Article no. | Price each |
|------------------------------|-------------|------------|
| Motor unit Comfort 211 solar | 72 731 | £ 695.00 |

Package

- Motor unit Comfort 211 solar, pre-cabled
- Rechargeable battery
- Plug-in charger
- Solar module
- Charge regulator
- Multi-bit remote control, 433 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 24 V DC |
| Rechargeable battery capacity | 7 Ah |
| Power consumption stand-by | 1,5 mA |
| Power input in operation | 0,12 KW |
| Power input stand-by | 0,036 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 400 N |
| Door travel speed | 120 mm/sec. |
| Opening time (door-specific) approx. | 18 sec. |

General details

| | |
|----------------------|---|
| Measurements | (Motor unit) 277 x 137 x 160 mm (Accumulator unit) 260 x 215 x 75 mm |
| Weight | (Motor unit) 2,3 kg (Accumulator unit) 5,5 kg (Solar module) 6,0 kg |
| Range of temperature | -20°C to +60°C |
| Illuminant | LED |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Electronic travel cut-out
- Economy mode
- Release from inside
- Connection for key switch (2-wire technique)
- Connection for potential-free limit switch information
- Reset function
- Door travel speed can be programmed
- For operator rail lengths '11' and '12' with roller chain, toothed drive belt or ball rope

Application

- Operator system for garage doors - private use
- For up-and-over doors with a door width of up to 3.000 mm and a door weight of 75 kg
- For single-walled sectional doors up to a door width of 3.500 mm and a door weight of 75 kg
- For double-walled sectional doors up to a door width of 2.500 mm and a door weight of 75 kg
- For retractable up-and-over doors and canopy doors up to a door width of 3.000 mm, a door height of 2.250 mm and a door weight of 75 kg
- For maximum 3 parking lots or maximum 6 operations per day

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 220

1.4

Operator system for garage doors



Comfort 220

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 220 | 75 137 | £ 310.00 |

Package

- Motor unit Comfort 220 with multibit remote control 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1,1 A |
| Power input in operation | 0,25 KW |
| Power input stand-by | < 4 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 500 N |
| Door travel speed | 140 mm/sec. |
| Opening time (door-specific) approx. | 15 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 393 x 156 x 214 mm |
| Weight | 5,9 kg |
| Range of temperature | -20°C to +60°C |
| Illuminant | 1 x 40 W, E14 |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection (cannot be programmed)
- 3 minutes light for illumination of the garage
- Connection for push buttons, code keypads and key switches
- Connection possibility for garage door lighting
- Connection potential-free limit switch information
- Error message
- Reset function
- Door travel speed can be programmed

Application

- Operator system for garage doors - private use
- For up-and-over doors up to a door width of 3.500 mm and a door weight of 100 kg
- For single-walled sectional doors up to a door width of 5.000 mm and a door weight of 100 kg
- For double-walled sectional doors up to a door width of 3.000 mm and a door weight of 100 kg
- For retractable up-and-over doors and canopy doors up to a door width of 3.500 mm, a door height of 2.250 mm and a door weight of 100 kg
- For maximum 6 parking lots or maximum 12 operations per day
- For operator rails with roller chains, toothed drive belts or ball rope

Comfort 250

Operator system for garage doors

1.5



Comfort 250

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 250 | 64 622 | £ 350.00 |

Package

- Motor unit Comfort 250 with multibit remote control 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Digital 313 Micro hand transmitter, 3-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1,1 A |
| Power input in operation | 0,25 KW |
| Power input stand-by | < 4 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 700 N |
| Door travel speed | 140 mm/sec. |
| Opening time (door-specific) approx. | 15 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 393 x 156 x 214 mm |
| Weight | 6,6 kg |
| Range of temperature | -20°C to +60°C |
| Illuminant | 1 x 40 W, E 14 |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection (can be programmed)
- 3 minutes light for illumination of the garage
- Connection for push buttons, code keypad and key switch
- Connection possibility for garage door lighting
- Connection potential-free limit switch information
- Connection possibility for alarm system
- Error message
- Reset function
- Door travel speed can be programmed
- Partial opening can be programmed
- Soft run in 'Close' direction can be programmed
- Relay retrofit kit possible

Application

- Operator system for garage doors - private use
- For up-and-over doors up to a door width of 5.000 mm and a door weight of 175 kg
- For single-walled sectional doors up to a door width of 5.500 mm and a door weight of 175 kg
- For double-walled sectional doors up to a door width of 5.500 mm and a door weight of 175 kg
- For retractable up-and-over doors and canopy doors up to a door width of 5.000 mm, a door height of 2.250 mm and a door weight of 175 kg
- For maximum 12 parking lots or maximum 24 operations per day
- For operator rails with roller chains, toothed drive belts or ball rope

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 252

1.6 Operator system for garage doors



Comfort 252

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 252 | 64 738 | £ 410.00 |

Package

- Motor unit Comfort 252 with multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Digital 314 Micro hand transmitter, 3-channel
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1,1 A |
| Power input in operation | 0,25 KW |
| Power input stand-by | < 4 W |
| Operation mode (duty cycle) | KB 5 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 20 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 1.000 N |
| Door travel speed | 120 mm/sec. |
| Opening time (door-specific) approx. | 18 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 393 x 156 x 214 mm |
| Weight | 6,7 kg |
| Range of temperature | -20°C to +60°C |
| Illuminant | 1 x 40 W, E14 |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection (can be programmed)
- 3 minutes light to illuminate the garage
- Connection for pushbuttons, code keypads and key switches
- Connection possibility for garage door lighting
- Connection potential-free limit switch information
- Connection possibility for alarm system
- Error message
- Reset function
- Door travel speed can be programmed
- Partial opening can be programmed
- Soft run in 'Close' direction can be programmed
- Relay retrofit kit possible

Application

- Operator system for garage doors - private use
- For up-and over doors up to a door width of 6.000 mm and a door weight of 200 kg
- For single-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For double-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For retractable up-and-over doors and canopy doors up to a door width of 6.000 mm, a door height of 2.250 mm and a door weight of 200 kg
- For maximum 48 operations per day or maximum 24 parking lots
- For operator rails with roller chain or toothed drive belt

Comfort 257

Operator system for underground and collective garages

1.7



Comfort 257

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 257 | 65 995 | £ 595.00 |

Package

- Motor unit Comfort 257, pre-cabled
- Separate control unit Control 53, pre-cabled
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,25 KW |
| Power input stand-by | < 4 W |
| Operation mode (duty cycle) | KB 5 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 20 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 1.000 N |
| Door travel speed | 140 mm/sec. |
| Opening time (door-specific) approx. | 18 sec. |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 393 x 156 x 214 mm (Control unit) 420 x 195 x 120 mm |
| Weight | 10,1 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection (can be programmed)
- Connection for pushbuttons, code keypads and key switches
- Connection possibility for garage door lighting
- Connection potential-free limit switch information
- Error message
- Reset function
- Door travel speed can be programmed
- Partial opening can be programmed
- Soft run in 'Close' direction can be programmed

Application

- Operator system for garage doors - industrial use
- For up-and over doors up to a door width of 6.000 mm and a door weight of 200 kg
- For single-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For double-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For retractable up-and-over doors and canopy doors up to a door width of 6.000 mm, a door height of 2.250 mm and a door weight of 200 kg
- For maximum 50 parking lots or maximum 100 operations per day
- For operator rails with roller chain or toothed drive belt

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 257

1.8

Operator system for underground and collective garages



Comfort 257

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 257 | 66 066 | £ 980.00 |

Package

- Motor unit Comfort 257, pre-cabled
- Separate control unit Control 53, pre-cabled
- Two-way traffic control unit Control 300, pre-cabled
- Universal mounting kit for up-and-over doors and sectional doors

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,25 KW |
| Power input stand-by | < 4 W |
| Operation mode (duty cycle) | KB 5 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 20 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 1.000 N |
| Door travel speed | 140 mm/sec. |
| Opening time (door-specific) approx. | 18 sec. |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 393 x 156 x 214 mm (Control unit) 420 x 195 x 120 mm |
| Weight | 14,5 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Push-open security device
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Economy mode
- Release from inside
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Connection possibility for garage door lighting
- Connection potential-free limit switch information
- Error message
- Reset function
- Door travel speed can be programmed
- Partial opening can be programmed
- Soft run in 'Close' direction can be programmed

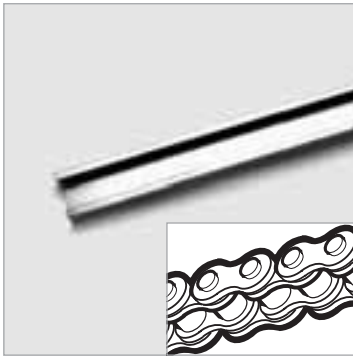
Application

- Operator system for garage doors - industrial use
- For up-and over doors up to a door width of 6.000 mm and a door weight of 200 kg
- For single-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For double-walled sectional doors up to a door width of 6.000 mm and a door weight of 200 kg
- For retractable up-and-over doors and canopy doors up to a door width of 6.000 mm, a door height of 2.250 mm and a door weight of 200 kg
- For maximum 100 operations per day or maximum 50 parking lots
- For operator rails with roller chain or toothed drive belt

Operator rails

Comfort 211, 220, 250, 252, 257

1.9



Roller chain, 1-part version

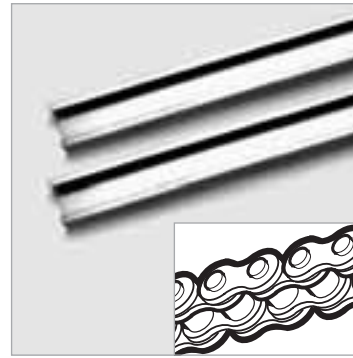
| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 11, 1-part | 8 011 482 | £ 60.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 3.020 mm | |
| Weight | 5,9 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 12, 1-part | 8 011 483 | £ 90.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 3.230 mm | |
| Weight | 6,3 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 13, 1-part | 8 011 484 | £ 130.00 |
| Measurements (L) | 4.090 mm | |
| Length of travel | 3.530 mm | |
| Packing length | 4.140 mm | |
| Weight | 8,2 kg | |

| Package |
|--|
| · Micro-profiled operator rail, 1-part |

| Function/application |
|---|
| · To transmit the power from the operator system to the door |
| · Micro-profiled operator rail for the operator systems Comfort 211 (only SK 11 and SK 12), 220, 250, 252 and 257 |
| · The rail length depends on the door height and on the door brand |



Roller chain, 2-part version

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 11, 2-part | 60 723 | £ 60.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 1.550 mm | |
| Weight | 6,8 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 12, 2-part | 8 050 759 | £ 90.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 1.700 mm | |
| Weight | 7,2 kg | |

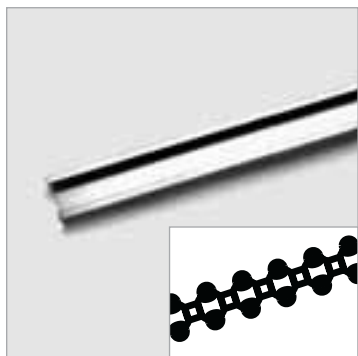
| Article | Article no. | Price each |
|------------------|-------------|------------|
| SK 13, 2-part | 62 905 | £ 130.00 |
| Measurements (L) | 4.090 mm | |
| Length of travel | 3.530 mm | |
| Packing length | 2.100 mm | |
| Weight | 8,8 kg | |

| Package |
|--|
| · Micro-profiled operator rail, 2-part |
| · Rail connector |
| · Mounting material |

| Function/application |
|---|
| · To transmit the power from the operator system to the door |
| · Micro-profiled operator rail for the operator systems Comfort 211 (only SK 11 and SK 12), 220, 250, 252 and 257 |
| · The rail length depends on the door height and on the door brand |

Operator rails

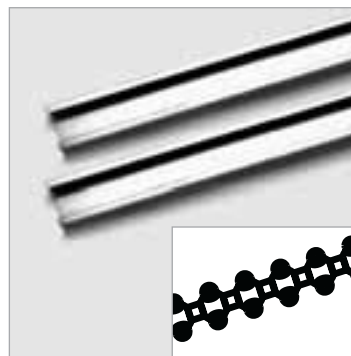
1.10 Comfort 211, 220



NEW

Ball rope, 1-part version

| Article | Article no. | Price each |
|------------------|-------------|------------|
| ST 11, 1-part | 70 630 | £ 60.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 3.020 mm | |
| Weight | 4,4 kg | |



NEW

Ball rope, 2-part version

| Article | Article no. | Price each |
|------------------|-------------|------------|
| ST 11, 2-part | 71 159 | £ 60.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 1.550 mm | |
| Weight | 5,1 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| ST 12, 1-part | 70 786 | £ 90.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 3.230 mm | |
| Weight | 4,7 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| ST 12, 2-part | 71 160 | £ 90.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 1.700 mm | |
| Weight | 5,4 kg | |

Package

- Micro-profiled operator rail, 1-part

Package

- Micro-profiled operator rail, 2-part

Function/application

- To transmit the power from the operator system to the door
- Micro-profiled operator rail for the operator systems Comfort 211 and 220
- The rail length depends on the door height and on the door brand

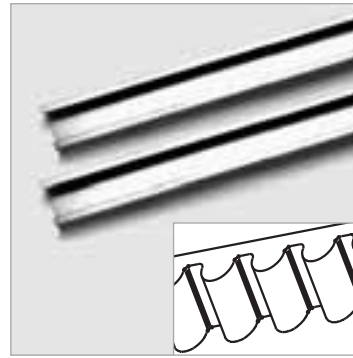
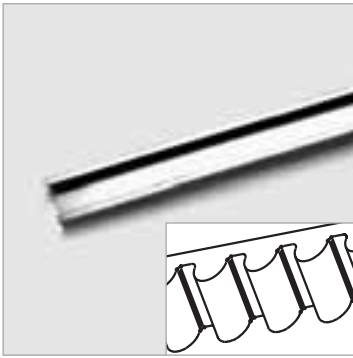
Function/application

- To transmit the power from the operator system to the door
- Micro-profiled operator rail for the operator systems Comfort 211 and 220
- The rail length depends on the door height and the door brand

Operator rails

Comfort 211, 220, 250, 252, 257

1.11



Toothed drive belt, 1-part version

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 11, 1-part | 8 011 382 | £ 85.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 3.020 mm | |
| Weight | 4,7 kg | |

Toothed drive belt, 2-part version

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 11, 2-part | 60 722 | £ 85.00 |
| Measurements (L) | 2.960 mm | |
| Length of travel | 2.400 mm | |
| Packing length | 1.550 mm | |
| Weight | 5,4 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 12, 1-part | 8 011 383 | £ 135.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 3.230 mm | |
| Weight | 5,0 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 12, 2-part | 8 050 760 | £ 135.00 |
| Measurements (L) | 3.180 mm | |
| Length of travel | 2.620 mm | |
| Packing length | 1.700 mm | |
| Weight | 5,9 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 13, 1-part | 8 011 384 | £ 180.00 |
| Measurements (L) | 4.090 mm | |
| Length of travel | 3.530 mm | |
| Packing length | 4.140 mm | |
| Weight | 6,2 kg | |

| Article | Article no. | Price each |
|------------------|-------------|------------|
| SZ 13, 2-part | 62 904 | £ 180.00 |
| Measurements (L) | 4.090 mm | |
| Length of travel | 3.53 | |
| Packing length | 0 mm | |
| Weight | 2.100 mm | 7,0 kg |

Package

- Micro-profiled operator rail, 1-part

Package

- Micro-profiled operator rail, 2-part
- Rail connector
- Mounting material

Function/application

- To transmit the power from the operator system to the door
- Micro-profiled operator rail for the operator systems Comfort 211 (only SZ 11 and SZ 12), 220, 250, 252 and 257
- The rail length depends on the door height and the door brand

Function/application

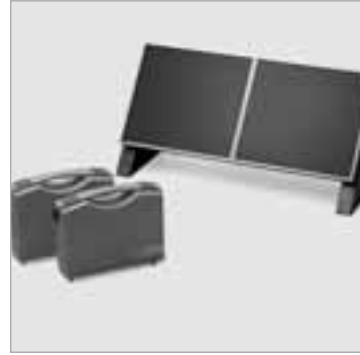
- To transmit the power from the operator system to the door
- Micro-profiled operator rail for the operator systems Comfort 211 (only SZ 11 and SZ 12), 220, 250, 252 and 257
- The rail length depends on the door height and the door brand

Accessories

1.12 Comfort 211 accu, solar



NEW



NEW

Replacement rechargeable battery

| Article | Article no. | Price each |
|----------------------------------|-------------|------------|
| Replacement rechargeable battery | 72 001 | £ 78.00 |

Package

- Replacement rechargeable battery

Function/application

- For power supply of the operator system Comfort 211 accu

Technical details/specifications

| | |
|---|-------------------|
| Measurements rechargeable battery (WxHxD) | 260 x 215 x 75 mm |
| Weight rechargeable battery | 5,5 kg |
| Rechargeable battery capacity | 7 Ah |
| Charging time | 8 to 10 hours |
| Range of temperature | -15°C to +45°C |

Retrofit kit solar

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Retrofit kit solar | 72 733 | £ 395.00 |

Package

- Solar module
- Charge regulator
- Mounting material

Function/application

- For retrofitting the operator system Comfort 211 accu for power supply from solar module

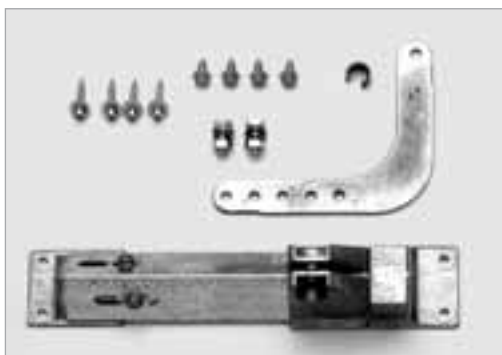
Technical details/specifications

| | |
|---------------------------------------|--------------------|
| Measurements solar module (WxHxD) | 675 x 335 x 230 mm |
| Measurements charge regulator (WxHxD) | 260 x 215 x 75 mm |
| Weight solar module | 6,0 kg |
| Weight charge regulator | 0,5 kg |
| Range of temperature solar module | -20°C to +60°C |
| Range of temperature charge regulator | -20°C to +50°C |

Accessories

Comfort 211, 220, 250, 252, 257

1.13



Special 101

| Article | Article no. | Price each |
|-------------------------|-------------|------------|
| Connecting door bracket | 564 611 | £ 32.00 |

Package

- Connecting door bracket
- Curved door link
- Mounting material

Function/application

- Connection between door leaf and operator system
- Optimal push and pull force distribution
- For sectional doors with a section height from 300 mm to 531 mm

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 78 x 68 x 355 mm |
| Weight | 1,3 kg |



Special 111

| Article | Article no. | Price each |
|-------------------------|-------------|------------|
| Connecting door bracket | 47 574 | £ 20.00 |

Package

- Connecting door bracket
- Curved door link
- Mounting material

Function/application

- Connection between door leaf and operator system, multiadjustable
- Optimal push and pull force distribution
- For sectional doors with a section height from 300 mm to 562 mm

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 80 x 75 x 320 mm |
| Weight | 1,1 kg |

Comfort

Digital

Command

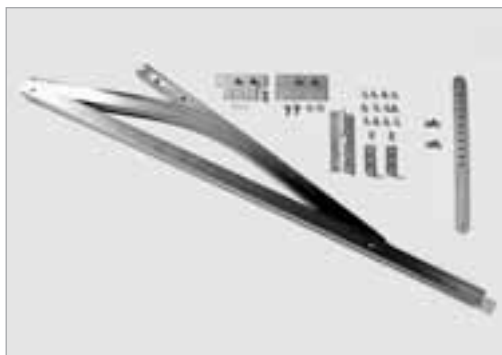
Control

Special

Comfort 400

Accessories

1.14 Comfort 211, 220, 250, 252, 257



Special 102

| Article | Article no. | Price each |
|-------------|-------------|------------|
| Adapter arm | 563 828 | £ 85.00 |

Package

- Adapter arm
- Door bracket, straight
- Mounting material

Function/application

- Connection of door leaf and operator system
- The lifting fitting supports the door leaf
- For non retractable up-and-over doors

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 115 x 30 x 28 mm |
| Weight | 6,6 kg |



Special 103

| Article | Article no. | Price each |
|--------------------------------------|-------------|------------|
| Fitting for side hinged double doors | 564 867 | £ 96.00 |

Package

- Fitting for side hinged double doors
- Mounting material

Function/application

- Connection of door wing and operator system
- Door wings are opened to the outside
- For garage side hinged double doors

Technical details/specifications

| | |
|------------------|----------|
| Measurements (L) | 2.600 mm |
| Weight | 7,6 kg |

Accessories

Comfort 211, 220, 250, 252, 257

1.15



Special 104

| Article | Article no. | Price each |
|---|-------------|------------|
| Linking bar extension 200 mm, 0,2 kg | 152 114 | £ 8.00 |
| 1.000 mm, 1,2 kg | 150 082 | £ 36.00 |
| 2.125 mm, 2,9 kg | 564 868 | £ 68.00 |
| 3.000 mm, 3,6 kg | 564 871 | £ 84.00 |

Package

- Linking bar extension
- Mounting material

Function/application

- Relocation of the push and pull points, whenever the operator rail cannot be mounted to the lintel or above the door leave
- For up-and-over doors and sectional doors

Technical details/specifications

| | |
|------------------|----------|
| Measurements (L) | 200 mm |
| | 1.000 mm |
| | 2.125 mm |
| | 3.000 mm |
| Weight | 0,2 kg |
| | 1,2 kg |
| | 2,9 kg |
| | 3,6 kg |



Special 105

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Connecting element | 8 055 637 | £ 88.00 |

Package

- Connecting element
- Mounting material

Function/application

- Connection of door leaf and operator system
- For best power transmission in any door position
- Multi-joint function
- For side sectional doors

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 265 x 105 x 195 mm |
| Weight | 1,1 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.16 Comfort 211, 220, 250, 252, 257



Special 106

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Connecting element | 68 990 | £ 15.00 |

Package

- Connecting element
- Three door brackets, straight
- Mounting material

Function/application

- Connection of door leaf and operator system, multi-adjustable
- Door lever tab, in length adjustable, with console arm
- For side sectional doors

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 245 x 45 x 270 mm |
| Weight | 1,0 kg |



Special 201

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Unlocking kit for door lock | 564 458 | £ 30.00 |

Package

- Unlocking kit
- Door connector attachment
- Mounting material

Function/application

- Unlocks the locking leverage
- For Hörmann up-and-over door N 80
- For doors with side bolt lock

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 80 x 75 x 32 mm |
| Weight | 0,6 kg |

Accessories

Comfort 211, 220, 250, 252, 257

1.17



Special 202

| Article | Article no. | Price each |
|---------------|-------------|------------|
| Unlocking kit | 564 459 | £ 32.00 |

Package

- Unlocking kit
- Door connector attachment
- Mounting material

Function/application

- The floor lock is lifted before start of the door by means of an angle lever
- For up-and-over doors/retractable up-and-over doors with centre door lock
- For doors with centre floor lock

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 320 x 75 x 80 mm |
| Weight | 0,5 kg |



Special 301

| Article | Article no. | Price each |
|---|-------------|------------|
| Emergency release for up-and-over doors and retractable up-and-over doors | 564 452 | £ 32.00 |

Package

- Emergency release
- Inside lever
- Mounting material

Function/application

- After unlocking the door the carriage is unlocked by means of a bowden cable via the outside door handle, e.g. in case of power failure
- For up-and-over doors/retractable up-and-over doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 240 x 25 x 285 mm |
| Weight | 0,5 kg |
| Length of bowden cable | 3.000 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.18 Comfort 211, 220, 250, 252, 257



Special 302

| Article | Article no. | Price each |
|---|-------------|------------|
| Emergency release for Hörmann sectional doors | 564 453 | £ 28.00 |

Package

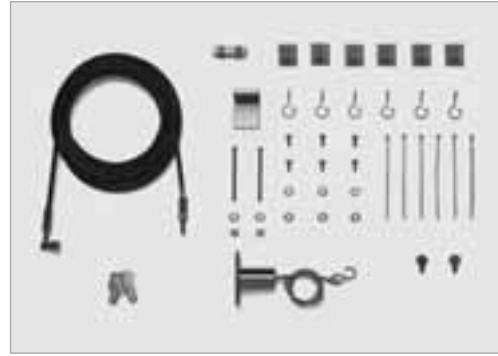
- Emergency release
- Mounting material

Function/application

- After unlocking the door the carriage is unlocked by means of a bowden cable via the outside door handle, e.g. in case of power failure
- For Hörmann sectional doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 250 x 50 x 295 mm |
| Weight | 0,6 kg |
| Length of bowden cable | 4.500 mm |



Special 303

| Article | Article no. | Price each |
|--|-------------|------------|
| Emergency release for side sectional doors | 154 517 | £ 50.00 |

Package

- Emergency release
- Mounting material

Function/application

- The carriage is unlocked by means of a bowden cable via the retrofit mortise lock, e.g. in case of power failure
- For side sectional doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 240 x 30 x 285 mm |
| Weight | 0,9 kg |
| Length of bowden cable | 6.000 mm |

Accessories

Comfort 211, 220, 250, 252, 257

1.19



Special 304

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Emergency release for sectional doors | | |
| 700 mm, 0,3 kg | 46 858 | £ 31.00 |
| 1.700 mm, 0,5 kg | 60 798 | £ 36.00 |

Package

- Emergency release
- Mounting material

Function/application

- The carriage is unlocked by means of a bowden cable via the retrofit mortise lock, e.g. in case of power failure
- For roof mounted slatted doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 240 x 30 x 285 mm |
| Weight | 0,3 kg |
| | 0,5 kg |
| Length of bowden cable | 700 mm |
| | 1.700 mm |



Special 311

| Article | Article no. | Price each |
|---|-------------|------------|
| Emergency release for up-and-over doors | 152 115 | £ 15.00 |

Package

- Emergency release
- Inside handle
- Mounting material

Function/application

- After unlocking the door the carriage is unlocked by means of a bowden cable via the outside door handle, e.g. in case of power failure
- For up-and-over doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 250 x 40 x 305 mm |
| Weight | 0,2 kg |
| Length of bowden cable | 3.050 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.20 Comfort 211, 220, 250, 252, 257



Special 312

| Article | Article no. | Price each |
|--|-------------|------------|
| Emergency release for Novoferm sectional doors | 8 053 605 | £ 26.00 |

Package

- Emergency release
- Mounting material

Function/application

- After unlocking the door the carriage is unlocked by means of a bowden cable via the outside door handle, e.g. in case of power failure
- For Novoferm sectional doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 255 x 35 x 295 mm |
| Weight | 0,5 kg |
| Length of bowden cable | 4.500 mm |



Special 411

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Wicket door contact | 152 839 | £ 44.00 |

Package

- Wicket door contact
- Coiled cable
- Mounting material

Function/application

- Electrical locking of the control function
- When the wicket door is open, the operator can no longer be actuated
- For up-and-over doors

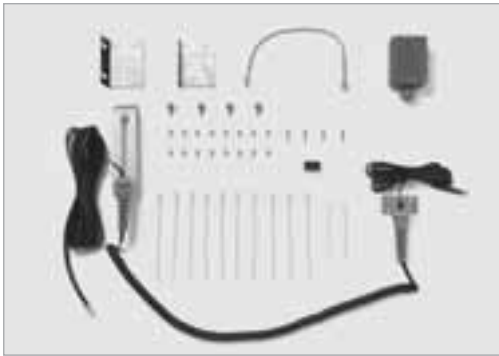
Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 190 x 110 x 270 mm |
| Weight | 1,2 kg |
| Cablings | System cabling |

Accessories

Comfort 211, 220, 250, 252, 257

1.21



Special 412

| Article | Article no. | Price each |
|---|-------------|------------|
| Connecting unit for wicket door contact | 8 053 964 | £ 43.00 |

Package

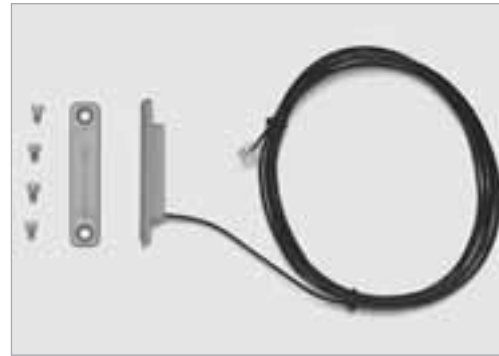
- External unit wicket door contact
- Coiled cable
- Mounting material

Function/application

- Electrical locking of the control function
- When the wicket door is open, the operator can no longer be actuated
- For Hörmann sectional doors
- Can only be used in combination with Special 420

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 265 x 105 x 195 mm |
| Weight | 1,0 kg |
| Cabling | System cabling |



Special 420

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Wicket door contact unit | | |
| 1.800 mm | 8 053 212 | £ 31.00 |
| 2.700 mm | 8 053 214 | £ 31.00 |
| 3.700 mm | 8 053 215 | £ 31.00 |
| 4.700 mm | 8 053 216 | £ 31.00 |
| 6.400 mm | 8 053 217 | £ 31.00 |

Package

- Wicket door contact unit
- System cable
- Mounting material

Function/application

- Electrical locking of the control function
- When the wicket door is open, the operator can no longer be actuated
- For sectional doors
- Can only be used in combination with Special 412

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 200 x 160 x 20 mm |
| Weight | 0,1 kg |
| Length of system cable | 1.800 mm |
| | 2.700 mm |
| | 3.700 mm |
| | 4.700 mm |
| | 6.400 mm |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.22 Comfort 211, 220, 250, 252, 257



Relay retrofit kit in housing

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Relay retrofit kit in housing | 152 137 | £ 60.00 |

Package

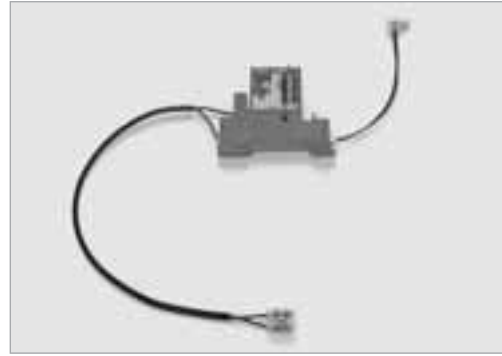
- Relay retrofit kit in housing
- System cable (2.100 mm)
- Mounting material

Function/application

- For travel limit information and external light
- Door 'Open' / door 'Close' / 'Light'
- For operator systems for garage doors and sliding doors

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 200 x 120 x 60 mm |
| Weight | 0,4 kg |
| Length of system cable | 2.100 mm |
| Cabling | System cabling |



Retrofit kit signal light relay

| Article | Article no. | Price each |
|---|-------------|------------|
| Retrofit kit signal light relay for Comfort 220, 250, 252 | 65 345 | £ 18.00 |
| Retrofit kit signal light relay for Comfort 211 | 73 020 | £ 14.00 |

Package

- Retrofit kit
- ready-to-use
- pre-cabled

Function/application

- Switches the external light during light time (only for operator systems Comfort 250, 252 from year of construction 05/2003)
- Switches the external light during the door travel (only for operator systems Comfort 211, 220)

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 140 x 120 x 30 mm |
| Weight | 0,050 kg |
| Cabling | Mas-Con |

Accessories

Comfort 211, 220, 250, 252, 257

1.23



Special 710

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Closing edge safety device optosensor | 47 606 | £ 187.00 |

Package

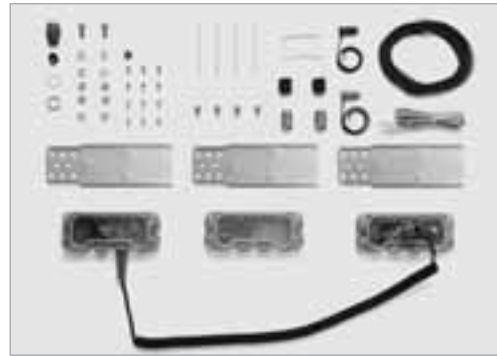
- Closing edge safety device optosensor
- Coiled cable
- Mounting material

Function/application

- Obstacle detection in 'Close' direction
- To protect against personal injuries and material damages
- Only in combination with a bottom door seal (up-and-over door or sectional door) and a support profile (steel or aluminium)
- For all operator systems for garage doors except for Comfort 257

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 265 x 105 x 195 mm |
| Weight | 1,6 kg |
| Protection category | IP 65 |
| Cabling | System cabling |



Closing edge safety device optosensor

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Closing edge safety device optosensor | 8 054 791 | £ 135.00 |

Package

- Closing edge safety device optosensor
- Coiled cable
- Mounting material

Function/application

- Obstacle detection in 'Close' direction
- To protect against personal injuries and material damages
- For operator system Comfort 257

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 265 x 105 x 195 mm |
| Weight | 2,4 kg |
| Protection category | IP 65 |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.24 Comfort 211, 220, 250, 252, 257



Bottom door profile

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Bottom door profile, per meter | 152 658 | £ 11.00 |

Package

- Bottom door profile

Function/application

- Impact protection and support profile of the optosensors of the closing edge safety device
- Only in combination with a support profile (steel or aluminium)
- For up-and-over doors

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 1.000 x 40 x 22 mm |
| Weight | 0,5 kg |



Bottom door profile

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Bottom door profile, per meter | 63 823 | £ 9.00 |

Package

- Bottom door profile

Function/application

- Floor seal, impact protection and support profile of the optosensors of the closing edge safety device
- Only in combination with a support profile (steel or aluminium)
- For sectional doors

Technical details/specifications

| | |
|--------------|--------------------|
| Measurements | 1.000 x 65 x 30 mm |
| Weight | 0,9 kg |

Accessories

Comfort 211, 220, 250, 252, 257

1.25



Steel profile

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Steel profile, per meter | 152 659 | £ 7.00 |

Package

- Steel profile

Function/application

- Receptacle of the bottom door seal
- For all operator systems for garage doors with connected closing edge safety device

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 1.000 x 24 x 8 mm |
| Weight | 0,3 kg |



Aluminium profile

| Article | Article no. | Price each |
|------------------------------|-------------|------------|
| Aluminium profile, per meter | 64 268 | £ 8.00 |

Package

- Aluminium profile

Function/application

- Receptacle of the bottom door seal
- For all operator systems for garage doors with connected closing edge safety device

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 1.000 x 24 x 8 mm |
| Weight | 0,2 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

1.26 Comfort 211, 220, 250, 252, 257



Mounting aid

| Article | Article no. | Price each |
|--------------|-------------|------------|
| Mounting aid | 66 427 | £ 46.00 |

Package

- Mounting aid

Function/application

- The mounting aid can be extended and fixed
- For a safe, quick and simple mounting
- For all operator systems for garage doors

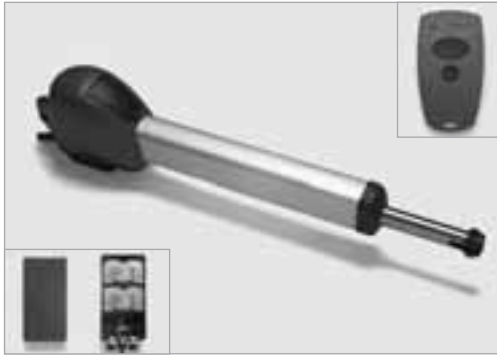
Technical details/specifications

| | |
|-----------------------|---------------------|
| Measurements (WxHxD) | 1.450 x 100 x 60 mm |
| Weight | 2,7 kg |
| Adjusting possibility | 1.050 mm |

Comfort 515

Operator system for hinged gates

2.1



NEW

Comfort 515, single-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 72 604 | £ 495.00 |

Package

- Motor unit Comfort 515, precabled
- Separate control unit Control x.50
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings, gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 1 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|---------------|
| Push and pull force | 1.000 N |
| Travel speed | 15-20 mm/sec. |
| Opening time (gate-specific) approx. | 15 - 25 sec. |
| Length of travel | 400 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 112 x 198 x 755 mm (Control unit) 120 x 240 x 100 mm |
| Weight | (Motor unit) 5,0 kg (Control unit) 2,5 kg |
| Range of temperature | -20 °C to 60 °C |

Function

- Mechanical limit switch technique
- Soft start/soft stop
- Automatic cut-out
- Excess travel stop
- Automatic time function
- Economy mode
- Emergency release with lock
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Connection for actuation of property lighting (3 minutes)
- Connection for potential-free limit switch information
- Connection alarm system
- Connection electrical lock
- Walk-in wing function
- Error message
- Reset function
- Gate travel speed can be programmed

Application

- For single-wing hinged gates
- For a wing width of max. 2.500 mm
- For a wing height of max. 1.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 200 kg
- e-measurements from -30 to 150 mm
- With a special fitting a negative e-measurement to 200 mm is possible
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Closed' gate position
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 515

2.2

Operator system for hinged gates



NEW

Comfort 515, double-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 72 611 | £ 670.00 |

Package

- Two motor units Comfort 515, precabled
- Separate control unit Control x.50
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings, gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 1 W |
| Operation mode (duty cycle) | KB 2 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | II |

Mechanical details

| | |
|--------------------------------------|---------------|
| Push and pull force | 1.000 N |
| Travel speed | 15-20 mm/sec. |
| Opening time (gate-specific) approx. | 15-25 sec. |
| Length of travel | 400 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 112 x 198 x 755 mm (Control unit) 120 x 240 x 100 mm |
| Weight | (Motor unit) 5,0 kg (Control unit) 2,5 kg |
| Range of temperature | -20 °C to 60 °C |

Function

- Mechanical limit switch technique
- Soft start/soft stop
- Automatic cut-out
- Excess travel stop
- Automatic time function
- Economy mode
- Emergency release with lock
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Connection for actuation of property lighting (3 minutes)
- Connection for potential-free limit switch information
- Connection alarm system
- Connection electrical lock
- Walk-in wing function
- Error message
- Reset function
- Gate travel speed can be programmed

Application

- For double-wing hinged gates
- For a wing width of max. 2.500 mm
- For a wing height of max. 1.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 200 kg
- e-measurements from -30 to 150 mm
- With a special fitting a negative e-measurement to 200 mm is possible
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Closed' gate position
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked

Comfort 520

Operator system for hinged gates

2.3



Comfort 520, single-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 66 376 | £ 650.00 |
| Motor unit, traffic white | 66 377 | £ 675.00 |
| Motor unit, black-green | 66 378 | £ 675.00 |

Package

- Motor unit Comfort 520, pre-cabled
- Separate control unit Control 520, pre-cabled
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings: zinc-plated gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 6 W |
| Operation mode (duty cycle) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|-----------------------|
| Push and pull force | 1.500 N |
| Door travel speed | approx. 20 mm/sec. |
| Opening time (gate-specific) approx. | 15-25 sec. |
| Length of travel | 358 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 114 x 120 x 811 mm (Control unit) 200 x 300 x 133 mm |
| Weight | 23,6 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Walk-in wing function
- Error message
- Connection of photocells
- Connection of closing edge safety devices

Application

- For single-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 250 kg
- e-measurement from 0 to 100 mm
- Gradient up to 2%
- With the special fitting Special 502 a negative e-measurement from 0 to -80 is possible
- For hinged gates with a gradient of max. 10% the special fittings Special 503 and Special 504 are available
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Close' gate position
- The gate details listed above are not binding recommendations
- For easily movable gates; at higher wind loads the wind and drive moments must be checked

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 520

2.4

Operator system for hinged gates



Comfort 520, double-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 66 382 | £ 952.00 |
| Motor unit, traffic white | 66 383 | £ 997.00 |
| Motor unit, black-green | 66 384 | £ 997.00 |

Package

- Two motor units Comfort 520, pre-cabled
- Separate control unit Control 520, pre-cabled
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings: zinc-plated gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 6 W |
| Operation mode (duty cycle) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|--------------------|
| Push and pull force | 1.500 N |
| Gate travel speed | approx. 20 mm/sec. |
| Opening time (gate-specific) approx. | 15-25 sec. |
| Length of travel | 358 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 114 x 120 x 811 mm (Control unit) 200 x 300 x 133 mm |
| Weight | 31,9 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Walk-in wing function
- Error message
- Connection for photocells
- Connection for closing edge safety devices

Application

- For double-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 250 kg
- e-measurement from 0 to 100 mm
- Gradient up to 2%
- With the special fitting Special 502 a negative e-measurement from 0 to -80 is possible
- For hinged gates with a gradient of max. 10% the special fittings Special 503 and Special 504 are available
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Close' gate position
- The gate details listed above are not binding recommendations
- For easily movable gates; at higher wind loads the wind and drive moments must be checked

Comfort 520 L

Operator system for hinged gates

2.5



Comfort 520L, single-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 67 039 | £ 700.00 |
| Motor unit, traffic white | 67 041 | £ 725.00 |
| Motor unit, black-green | 67 043 | £ 725.00 |

Package

- Motor unit Comfort 520, pre-cabled
- Separate control unit Control 520, pre-cabled
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings: zinc-plated gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 6 W |
| Operation mode (duty cycle) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|--------------------|
| Push and pull force | 1.500 N |
| Gate travel speed | approx. 20 mm/sec. |
| Opening time (gate-specific) approx. | 20-30 sec. |
| Length of travel | 478 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 114 x 120 x 931 mm (Control unit) 200 x 300 x 133 mm |
| Weight | 24,1 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Walk-in wing function
- Error message
- Connection for photocells
- Connection for closing edge safety devices

Application

- For single-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 250 kg
- e-measurement from 100 to 200 mm
- Gradient up to 2%
- With the special fitting Special 502 a negative e-measurement from 0 to -80 is possible
- For hinged gates with a gradient of max. 10% the special fittings Special 503 and Special 504 are available
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Close' gate position
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 520 L

2.6

Operator system for hinged gates



Comfort 520L, double-wing version

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Motor unit, anthracite grey | 67 040 | £ 1.080.00 |
| Motor unit, traffic white | 67 042 | £ 1.126.00 |
| Motor unit, black-green | 67 044 | £ 1.126.00 |

Package

- Two motor units Comfort 520, pre-cabled
- Separate control unit Control 520, pre-cabled
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Fittings: zinc-plated gate and post brackets
- Mounting material

Electrical details

| | |
|-----------------------------|--|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1 A |
| Power input in operation | 0,2 KW |
| Power input stand-by | 6 W |
| Operation mode (duty cycle) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category | (Motor unit) IP 44 (Control unit) IP 65 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|--------------------|
| Push and pull force | 1.500 N |
| Gate travel speed | approx. 20 mm/sec. |
| Opening time (gate-specific) approx. | 20-30 sec. |
| Length of travel | 478 mm |

General details

| | |
|----------------------|--|
| Measurements | (Motor unit) 114 x 120 x 931 mm (Control unit) 200 x 300 x 133 mm |
| Weight | 32,8 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Soft start/soft stop
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Walk-in wing function
- Error message
- Connection for photocells
- Connection for closing edge safety devices

Application

- For double-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 250 kg
- e-measurement from 100 to 200 mm
- Gradient up to 2%
- With the special fitting Special 502 a negative e-measurement from 0 to -80 is possible
- For hinged gates with a gradient of max. 10% the special fittings Special 503 and Special 504 are available
- For stability purposes of the closed gate wings we recommend a mechanical stop for the 'Close' gate position
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked

Accessories

Comfort 515

2.7

**NEW**

Special 505

| Article | Article no. | Price each |
|--------------|-------------|------------|
| Gate bracket | 74461 | £ 16.00 |

Package

- Gate bracket

Function/application

- For hinged gates facilities from an e-measurement from 150 to 200 mm
- For operator system Comfort 515 in connection with post angle Special 510

Technical details/specifications

| | |
|--------------------------|-----------------|
| Measurements (W x H x L) | 70 x 95 x 55 mm |
| Weight | 0,35 kg |

**NEW**

Special 510

| Article | Article no. | Price each |
|--------------|-------------|------------|
| Post bracket | 74460 | £ 20.00 |

Package

- Post bracket

Function/application

- For hinged gates facilities from an e-measurement from 150 to 200 mm
- For operator system Comfort 515 in connection with gate angle Special 505

Technical details/specifications

| | |
|--------------------------|------------------|
| Measurements (W x H x L) | 70 x 111 x 78 mm |
| Weight | 0,4 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

2.8

Comfort 515



NEW

Comfort 515, double-wing version

| Article | Article no. | Price each |
|----------------|-------------|------------|
| Connection box | 74236 | £ 16.00 |

Package

- Connection box
- Luster terminal, 8-poles
- Cable screwing

Function/application

- Additional cabling possibilities for operator system Comfort 515

Technical details/specifications

| | |
|--------------------------|-----------------|
| Measurements (W x H x L) | 80 x 83 x 55 mm |
| Weight | 0,15 kg |
| Protection class | IP 65 |



NEW

Special 515

| Article | Article no. | Price each |
|---------------------------|-------------|------------|
| Cable loop, pre-assembled | 74251 | £ 36.00 |

Package

- Cable loop, 2-poles, 20 meter

Function/application

- Flexible possibility for passing of control unit

Technical details/specifications

| | |
|--------|--------|
| Weight | 0,4 kg |
|--------|--------|

Accessories

Comfort 515, 520, 520 L

2.9



NEW

Special 402

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Electrical lock for post | 71 708 | £ 120.00 |

Package

- Electrical lock
- mounting angle post
- Profile half cylinder
- 2 keys

Function/application

- The lock is electrically unlocked before every start of gate travel
- Stabilizes the door wing in 'Close' gate position
- For operator systems for hinged gates
- Recommended from a width of 2.500 mm onwards

Technical details/specifications

| | |
|----------------------|---------------|
| Measurements (WxHxD) | 140 x 90 x 60 |
| Weight | 2,0 kg |
| Nominal voltage | 24 V DC |
| Protection category | IP 65 |
| Cabling | Conventional |



Special 403

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Electrical ground lock | 71 707 | £ 94.00 |

Package

- Electrical lock
- mounting angle gate wing
- Profile half cylinder
- 2 keys

Function/application

- The lock is electrically unlocked before every start of gate travel
- Stabilizes the gate wing in 'Close' door position
- For operator systems for hinged gates
- Recommended from a wing width of 2.500 mm onwards
- Can only be used in combination with Special 404, 407 or 408

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 135 x 76 x 60 mm |
| Weight | 1,4 kg |
| Nominal voltage | 24 V DC |
| Protection category | IP 65 |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

2.10 Comfort 515, 520, 520 L



Special 404

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Stop plate for electrical ground lock | 564 518 | £ 45.00 |

Package

- Ground contact bracket
- Roller
- Mounting material

Function/application

- For ground locking (dowel mounting)
- Support of the gate wing
- Locking device
- In combination with electrical lock Special 403

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 80 x 58 x 122 mm |
| Weight | 0,9 kg |



Special 407

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Stop plate for electrical ground lock | 150 010 | £ 46.00 |

Package

- Ground contact bracket
- Roller
- Fixing screws

Function/application

- For ground locking (concrete)
- Support of the gate wing
- Locking device
- In combination with electrical lock Special 403
- For single-wing hinged gates

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 120 x 273 x 134 mm |
| Weight | 2,0 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

Comfort 515, 520, 520 L

2.11



Special 408

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Stop plate for electrical lock | 150 027 | £ 59.00 |

Package

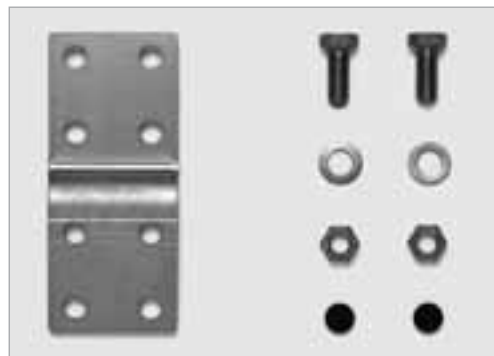
- ground contact bracket
- 2 rollers
- Fixing screws

Function/application

- For ground locking (concrete)
- Support of the gate wing
- Locking device
- In combination with electrical lock Special 403
- For double-wing hinged gates

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 245 x 273 x 134 mm |
| Weight | 3,8 kg |



NEW

Special 502

| Article | Article no. | Price each |
|--|-------------|------------|
| Angle extension for negative e-measurement (for Comfort 520) | 70 507 | £ 24.00 |

Package

- Angle extension
- Fixing screws

Function/application

- To shift the pivot point at the post
- With negative e-measurement from 0 to -80 mm

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 70 x 160 x 16 mm |
| Weight | 0,75 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

2.12 Comfort 520, 520 L


NEW

Special 503

| Article | Article no. | Price each |
|-------------------------------------|-------------|------------|
| Gate bracket for gradient up to 10% | 70 478 | £ 36.00 |

Package

- Gate bracket

Function/application

- To guide the operator with lifting hinges
- For gradient gate wings
- For the operator system Comfort 520

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 70 x 128 x 48 mm |
| Weight | 0,6 kg |


NEW

Special 504

| Article | Article no. | Price each |
|-------------------------------------|-------------|------------|
| Gate bracket for gradient up to 10% | 70 479 | £ 44.00 |

Package

- Gate bracket

Function/application

- To guide the operator with lifting hinges
- For gradient gate wings
- For the operator system Comfort 520 L

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 70 x 178 x 48 mm |
| Weight | 0,81 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

Comfort 520, 520 L

2.13



Retrofit kit

| Article | Article no. | Price each |
|--|-------------|------------|
| Retrofit kit end of travel information | 564 285 | £ 36.00 |

Package

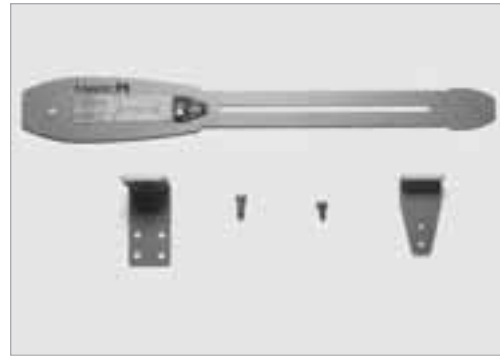
- Retrofit kit end of travel information
- Mas-Con flat cable (700 mm)
- Fixing screws

Function/application

- Information on the gate end positions via potential-free change-over contacts

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 65 x 25 x 20 mm |
| Weight | 0,1 kg |



NEW

Special 520, 521

| Article | Article no. | Price each |
|---------------------------------|-------------|------------|
| Mounting pattern | | |
| Special 520 (for Comfort 520) | 69 426 | £ 67.00 |
| Special 521 (for Comfort 520 L) | 69 427 | £ 67.00 |

Package

- Mounting pattern
- Post angle
- Door angle
- Fixing bolts

Function/application

- For simulation of the gate travel path
- Decision guidance to choose the operator system
- To determine the pivot points

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 114 x 15 x 811 mm |
| | 114 x 15 x 931 mm |
| Weight | 1,1 kg |
| | 1,2 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 820

3.1 Operator system for sliding gates



Comfort 820

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 820 | 70 031 | £ 510.00 |

Package

- Motor unit Comfort 820 with integrated electronic control unit
- With multibit remote control, 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Cover
- Mounting material

Electrical details

| | |
|--------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 2,5 A |
| Power input in operation | 0,3 KW |
| Power input stand-by | <4 W |
| Operation mode (duty cycle) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 54 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 800 N |
| Door travel speed | 180 mm/sec. |
| Opening time (gate-specific) approx. | 22 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 330 x 270 x 120 mm |
| Weight | 17,5 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Partial opening
- Connection of potential-free limit switch information
- Error message
- Status display
- Five different radio commands
Impulse/'Open'/'Close'/'half Open'/'half Close'
- Reset function
- Connection for photocells
- Connection for closing edge safety devices

Application

- For sliding gates up to a max. width of 8.000 mm
- For a max. gate weight of 750 kg
- For toothed racks Modul 4 and Modul 6
- Only in combination with fixed mounting plate resp. self-adjusting mounting plate

Comfort 830

Operator system for sliding gates

3.2



Comfort 830

| Article | Article no. | Price each |
|------------------------|-------------|------------|
| Motor unit Comfort 830 | 70 918 | £ 415.00 |

Package

- Motor unit Comfort 830 with integrated electronic control unit
- Mounting plate and pre-assembled drive cog, Modul 4
- With multibit remote control 868 MHz
- Digital 302 Mini hand transmitter, 2-channel
- Mounting material

Electrical details

| | |
|------------------------------------|-----------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Power consumption | 1,4 A |
| Power input in operation | 0,3 KW |
| Power input stand-by | < 4 W |
| Operation mode (connecting period) | KB 4 min. |
| Control voltage | 24 V DC |
| Protection category motor unit | IP 54 |
| Protection class | I |

Mechanical details

| | |
|--------------------------------------|-------------|
| Push and pull force | 500 N |
| Door travel speed | 180 mm/sec, |
| Opening time (gate-specific) approx. | 22 sec. |

General details

| | |
|----------------------|---------------------------------|
| Measurements | (Motor unit) 330 x 260 x 200 mm |
| Weight | 12,0 kg |
| Range of temperature | -20°C to +60°C |

Function

- Reference point technique
- Automatic cut-out
- Anti-blocking device
- Excess travel stop
- Automatic timer function
- Electronic travel cut-out
- Signal light connection
- Connection for pushbuttons, code keypads and key switches
- Connection of potential-free limit switch information
- Error messages
- Status display
- Three different radio commands 'Impulse'/'Open'/'Close'
- Connection for photocells
- Connection for closing edge safety devices

Application

- For sliding gates up to a max. width of 8.000 mm
- For a max. gate weight of 300 kg
- For toothed rack Modul 4

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

3.3

Comfort 820, 830



Drive cog incl. finger-trap protection

| Article | Article no. | Price each |
|--|-------------|------------|
| Drive cog incl. finger-trap protection Modul 4 | 45 365 | £ 37.00 |
| Modul 6 | 45 364 | £ 37.00 |

Package

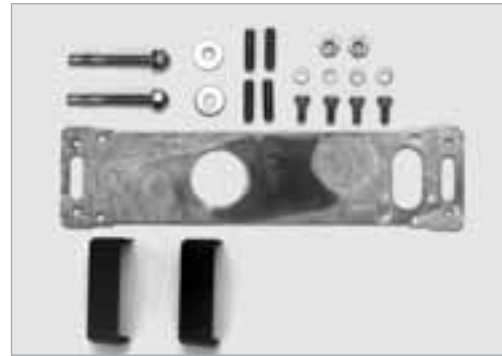
- Drive cog
- Finger-trap protection
- 2 securing rings
- Feather key

Function/application

- To transmit the power from the operator system to the toothed rack
- For the operator system Comfort 820

Technical details/specifications

| | |
|----------------------|--------------------------------------|
| Measurements (WxHxD) | 140 x 45 x 250 mm |
| Weight | Modul 4/0,8 kg Modul 6/0,7 kg |
| Tooth system | Modul 4/20 teeth Modul 6/13 teeth |



Ground support

| Article | Article no. | Price each |
|----------------------|-------------|------------|
| Fixed mounting plate | 47 173 | £ 26.00 |

Package

- Fixed mounting plate
- 2 covers
- Mounting material

Function/application

- As support plate for ground fixing of the operator
- For the operator system Comfort 820

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 540 x 200 x 80 mm |
| Weight | 1,7 kg |

Accessories

Comfort 820, 830

3.4



Swivel support

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Self-adjusting mounting plate | 45 367 | £ 42.00 |

Package

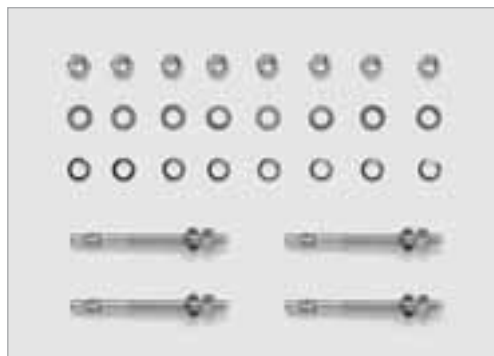
- Self-adjusting mounting plate
- Counter-bearing
- Mounting material

Function/application

- Ground fixing with movable height balance
- For the operator system Comfort 820

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 145 x 95 x 85 mm |
| Weight | 1,8 kg |



Heavy-duty dowel kit M8

| Article | Article no. | Price each |
|-------------------------|-------------|------------|
| Heavy-duty dowel kit M8 | 8 054 224 | £ 14.00 |

Package

- 4 anchor dowels
- 8 feather keys A8
- 8 hexagon nuts M8
- 8 washers

Function/application

- For height-adjustable operator fixing to the foundation
- For the operator system Comfort 830

Technical details/specifications

| | |
|------------------------|-------------------|
| Measurements (WxHxD) | 195 x 110 x 10 mm |
| Weight | 0,2 kg |
| Length of anchor dowel | 90 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

3.5

Comfort 820, 830



NEW



NEW

Special 441 (Module 4)

| Article | Article no. | Price each |
|--|-------------|------------|
| Plastic toothed rack segments in aluminium cover profile | | |
| Special 441/LS 2.000 | 71 308 | £ 70.00 |
| Special 441/LS 4.000 | 71 309 | £ 98.00 |

Package

- Elastically supported plastic toothed rack segments in aluminium cover profile

Function/application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator systems Comfort 820, 830

Technical details/specifications

| | |
|------------------|--------------------|
| Measurements (L) | 2000 mm 4000 mm |
| Weight | 2,5 kg 4,5 kg |
| Module | 4 |

Special 433 (Module 6)

| Article | Article no. | Price each |
|--|-------------|------------|
| Plastic toothed rack segments in aluminium cover profile | | |
| Special 443/LS 2.000 | 71 314 | £ 76.00 |
| Special 443/LS 4.000 | 71 315 | £ 99.00 |

Package

- Elastically supported plastic toothed rack segments in aluminium cover profile

Function/application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator system Comfort 820

Technical details/specifications

| | |
|------------------|----------------------|
| Measurements (L) | 2.000 mm 4.000 mm |
| Weight | 2,4 kg 4,7 kg |
| Module | 6 |

Accessories

Comfort 820, 830

3.6



Special 432 (Module 4)

| Article | Article no. | Price each |
|--|-------------|------------|
| Plastic toothed rack segments in steel cover profile | | |
| Special 432/LS 2.000 | 45 565 | £ 75.00 |
| Special 432/LS 4.000 | 45 566 | £ 89.00 |

Package

- Elastically supported plastic toothed rack segments in steel cover profile

Function/application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator systems Comfort 820, 830

Technical details/specifications

| | |
|------------------|----------|
| Measurements (L) | 2.000 mm |
| | 4.000 mm |
| Weight | 2,5 kg |
| | 4,5 kg |
| Module | 4 |



Special 434 (Module 6)

| Article | Article no. | Price each |
|--|-------------|------------|
| Plastic toothed rack segments in steel cover profile | | |
| Special 434/LS 2.000 | 45 568 | £ 67.00 |
| Special 434/LS 4.000 | 45 569 | £ 89.00 |

Package

- Elastically supported plastic toothed rack segments in steel cover profile

Function/application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator system Comfort 820

Technical details/specifications

| | |
|------------------|----------|
| Measurements (L) | 2.000 mm |
| | 4.000 mm |
| Weight | 2,5 kg |
| | 4,7 kg |
| Module | 6 |

Comfort

Digital

Command

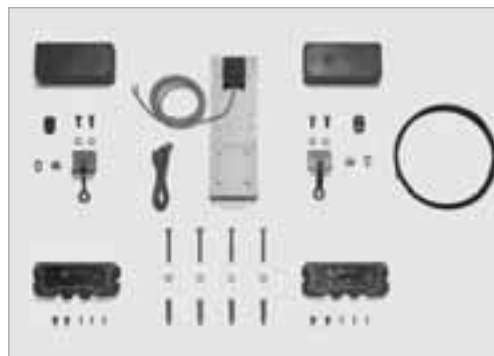
Control

Special

Comfort 400

Accessories

3.7 Comfort 820, 830


NEW

Special 471 (Module 4)

| Article | Article no. | Price each |
|---|-------------|------------|
| Plastic toothed rack with steel core, per meter | 8 052 649 | £ 17.00 |

Package

- Plastic toothed rack

Function/application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator systems Comfort 820, 830
- Cannot be used in combination with the self-adjusting mounting plate

Technical details/specifications

| | |
|------------------|----------|
| Measurements (L) | 1.000 mm |
| Weight | 1,4 kg |
| Module | 4 |

Special 750

| Article | Article no. | Price each |
|--|-------------|------------|
| Inductive signal transmission system (available from April 2005) | 69 403 | £ 550.00 |

Package

- Inductive signal transmission system
- Plastic-coated steel cable (30.000 mm)
- Mounting material

Function/application

- For power supply of the closing edge safety device and/or of the wicket door contact
- For signal transmission from the closing edge safety device and/or from the wicket door contact to the control unit of the operator system

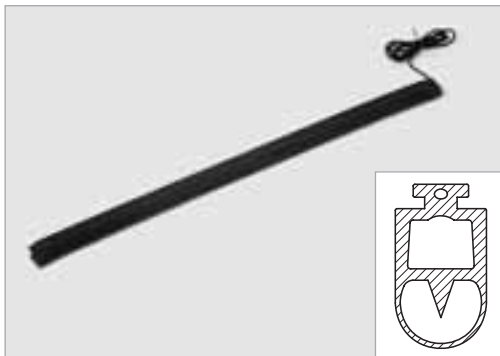
Technical details/specifications

| | |
|------------------------------|-----------|
| Measurements (L) steel cable | 30.000 mm |
| Nominal voltage | 24 V DC |

Accessories

Comfort 820, 830

3.8



Closing edge safety device
Contact bar/resistance evaluation

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Closing edge safety device | | |
| End bar consisting of: | | |
| Base unit per end bar | 61 679 | £ 90,00 |
| Bottom gate seal, per meter | 65 290 | £ 54,00 |

Package

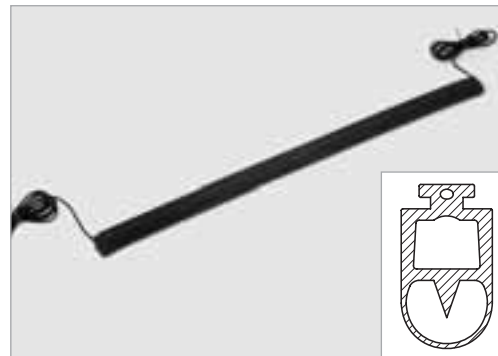
- Closing edge safety device
- Contact bar/resistance evaluation (end bar)
- Connecting cable

Function/application

- Obstacle detection in 'Open'/'Close' direction
- To protect against personal injuries and material damages
- To cover squeezing or shearing points
- For the operator systems Comfort 820, 830
- Can only be used in combination with a C-profile

Technical details/specifications

| | |
|----------------------------|--------------------|
| Measurements (WxHxD) | 1.000 x 50 x 22 mm |
| Weight | 0,5 kg |
| Cabling | Conventional |
| Length of connecting cable | 2.000 mm |



Closing edge safety device
Contact bar/resistance evaluation

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Closing edge safety device | | |
| Passage bar consisting of: | | |
| Base unit per passage bar | 8 053 424 | £ 90,00 |
| Bottom gate profile, per meter | 65 290 | £ 54,00 |

Package

- Closing edge safety device
- Contact bar/resistance evaluation (passage bar)
- Connecting cable

Function/application

- Obstacle detection in 'Open'/'Close' direction
- To protect against personal injuries and material damages
- To cover squeezing or shearing points
- For the operator systems Comfort 820, 830
- Only in combination with an end bar
- Can only be used in combination with a C-profile

Technical details/specifications

| | |
|----------------------------|--------------------|
| Measurements (WxHxD) | 1.000 x 50 x 22 mm |
| Weight | 0,5 kg |
| Cabling | Conventional |
| Length of connecting cable | 2.000 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

3.9

Comfort 820, 830



C-profile

| Article | Article no. | Price each |
|----------------------|-------------|---------------|
| C-profile, per meter | 65 295 | £ 8.00 |

Package

- C-profile

Function/application

- As support
- As holder of the closing edge safety device
- Contact bar/resistance evaluation
- For the operator systems Comfort 820, 830

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 1.000 x 25 x 10 mm |
| Weight | 0,5 kg |



Relay retrofit kit in housing

| Article | Article no. | Price each |
|-------------------------------|-------------|----------------|
| Relay retrofit kit in housing | 152 137 | £ 80.00 |

Package

- Relay retrofit kit in housing
- System cable (2.100 mm)
- Mounting material

Function/application

- End of travel information and external lighting
- Door 'Open'/door 'Close' and 'Light'
- For the operator systems Comfort 820, 830
- For operator systems of garage doors

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 200 x 120 x 60 mm |
| Weight | 0,4 kg |
| Cabling | System cabling |

Digital

Remote controls

4.1



Digital 302

| Article | Article no. | Price each |
|--|-------------|------------|
| Mini hand transmitter, 2-channel 868 MHz Multibit | 64 173 | £ 38.00 |
| 433 MHz Multibit | 64 176 | £ 38.00 |

Package

- Mini hand transmitter, 2-channel
- 3 V button cell, CR 2032
- Coding plug
- Wall support
- Visor clip

Function/application

- Impulse for door 'Open'/door 'Close'
- For all Marantec operator systems and operator systems from other manufacturers
(in combination with the respective Digital receiver)
- To control maximum two operator systems

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 38 x 72 x 12 mm |
| Weight | 0,022 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | LED |
| Coding possibilities | > 281 trillions |



Digital 304

| Article | Article no. | Price each |
|--|-------------|------------|
| Mini hand transmitter, 4-channel 868 MHz Multibit | 64 037 | £ 42.00 |
| 433 MHz Multibit | 64 133 | £ 42.00 |

Package

- Mini hand transmitter, 4-channel
- 3 V button cell, CR 2032
- Coding plug
- Wall support
- Visor clip

Function/application

- Impulse for door 'Open'/door 'Close'
- For all Marantec operator systems and operator systems from other manufacturers
(in combination with the respective Digital receiver)
- To control maximum four operator systems

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 38 x 72 x 12 mm |
| Weight | 0,022 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | LED |
| Coding possibilities | > 281 trillions |

Comfort

Digital

Command

Control

Special

Comfort 400

Digital

4.2

Remote controls



Wall support

| Article | Article no. | Price each |
|------------------|-------------|------------|
| Wall support set | 65 310 | £ 15.00 |

Package

- Wall support set, 5 pcs.

Function/application

- Wall support for Digital 302 Mini hand transmitter, 2-channel and Digital 304 Mini hand transmitter, 4-channel

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 48 x 65 x 17 mm |
| Weight | 0,06 kg |

Digital 313

| Article | Article no. | Price each |
|-----------------------------------|-------------|------------|
| Micro hand transmitter, 3-channel | | |
| 868 MHz Multibit | 64 180 | £ 40.00 |
| 433 MHz Multibit | 64 183 | £ 40.00 |

Package

- Micro hand transmitter, 3-channel
- 3 V button cell, CR 2032
- Coding plug
- Key ring

Function/application

- Impulse for door 'Open'/door 'Close'
- For all Marantec operator systems and operator systems from other manufacturers (in combination with the respective Digital receiver)
- To control maximum three operator systems

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 34 x 50 x 12 mm |
| Weight | 0,018 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20 to +60°C |
| Operation control | LED |
| Coding possibilities | > 281 trillions |

Digital

Remote controls

4.3



NEW



NEW

Digital 309

| Article | Article no. | Price each |
|---|-------------|------------|
| Multi-channel transmitter, 999-channel | 70 466 | £ 94.00 |
| 868 MHz Multibit | 71 671 | £ 94.00 |
| 433 MHz Multibit | | |

Package

- Multi-channel transmitter, 999-channel
- 2 x 3 V button cell, CR 2032
- Programming cable

Function/application

- Impulse for door 'Open'/door 'Close' by directly pushing the priority buttons A to D or by entering the channel number
- For all Marantec operator systems and operator systems from other manufacturers (in combination with the respective Digital receiver)

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 60 x 150 x 22 mm |
| Weight | 0,1 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | LED |
| Coding possibilities | > 70 millions |

Wall support

| Article | Article no. | Price each |
|--------------|-------------|------------|
| Wall support | 72 819 | £ 8.00 |

Package

- Wall support

Function/application

- Wall support for multi-channel transmitter Digital 309

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 70 x 160 x 30 mm |
|----------------------|------------------|

Comfort

Digital

Command

Control

Special

Comfort 400

Digital

4.4

Remote controls



Digital 163

| Article | Article no. | Price each |
|-----------------------------------|-------------|------------|
| Module aerial 868 MHz Multibit | 63 980 | £ 50.00 |
| 433 MHz Multibit | 63 981 | £ 50.00 |

Package

- Module aerial

Function/application

- Receiving and transmitting of hand transmitter signals to the control unit
- For the operator systems Comfort 220, 250, 252 from 05/2003 onwards

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 37 x 53 x 13 mm |
| Weight | 0,01 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 13 mA |
| Protection category | IP 00 (only for dry premises) |
| Range of temperature | -20°C to +60°C |



Digital 163

| Article | Article no. | Price each |
|---|-------------|------------|
| Module aerial incl. adapter for system socket 868 MHz Multibit | 65 706 | £ 56.00 |
| 433 MHz Multibit | 65 707 | £ 56.00 |

Package

- Module aerial
- Adapter for system socket, 200 mm

Function/application

- Receiving and transmitting of hand transmitter signals to the control unit
- For Marantec operator systems for garage doors before 05/2003
- For Marantec operator systems for outdoor and industrial use

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 37 x 53 x 13 mm |
| Weight | 0,02 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | IP 00 (only for dry premises) |
| Range of temperature | -20°C to +60°C |

Digital

Remote controls

4.5



Digital 164

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Module aerial | | |
| 868 MHz Multibit | 70 655 | £ 56.00 |
| 433 MHz Multibit | 69 574 | £ 56.00 |
| 433 MHz Multibit (accu/solar) | 71 318 | £ 56.00 |

Package

- Module aerial

Function/application

- Receiving and transmitting of hand transmitter signals to the control unit
- For the operator system Comfort 211
- For the operator systems Comfort 211, accu, solar
- For the operator systems Comfort 515

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 37 x 53 x 13 mm |
| Weight | 0,02 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 13 mA |
| Protection category | IP 00 (only for dry premises) |
| Range of temperature | -20°C to +60°C |



Digital 173

| Article | Article no. | Price each |
|------------------|-------------|------------|
| Module aerial | | |
| 868 MHz Multibit | 65 666 | £ 80.00 |
| 433 MHz Multibit | 65 667 | £ 80.00 |

Package

- Module aerial
- System cable with system plug, 7.500 mm
- Mounting material

Function/application

- Receiving and transmitting of hand transmitter signals to the control unit
- For all Marantec operator systems protection category IP 65 is compulsory
- Useful at too low operating range

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 70 x 113 x 34 mm |
| Weight | 0,3 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | IP 65 |
| Range of temperature | -20°C to +60°C |
| Cabling | System cabling |

Comfort

Digital

Command

Control

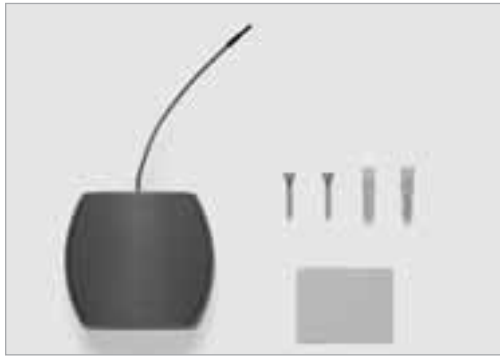
Special

Comfort 400

Digital

4.6

Remote controls



Digital 343

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal receiver, 2-channel 868 MHz Multibit | 73 296 | £ 65.00 |
| 433 MHz Multibit | 73 298 | £ 65.00 |

Package

- Universal receiver, 2-channel
- Connecting cable for external switch, 2 pc.
- Mounting material

Function/application

- 'Impulse'/'On'/'Off'/'Permanent operating impulse'
The selected function applies for both channels
- Connecting cable for external switch
- For retrofitting all Marantec operator systems and systems from other manufacturers and as well for utilization of the two channels traffic control and/or light
- Control mode long-term usage impulse
- Connection possibility for pushbuttons

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 70 x 63 x 35 mm |
| Weight | 0,05 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 50 mA |
| Protection category | IP 20 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |



Digital 344

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal receiver, 2-channel 868 MHz Multibit | 73 297 | £ 80.00 |
| 433 MHz Multibit | 73 299 | £ 80.00 |

Package

- Universal receiver, 2-channel
- Connecting cable for external switch, 2 pc.
- Mounting material

Function/application

- 'Impulse'/'On'/'Off'
- The selected function applies for both channels
- Connecting cable for external switch
- For retrofitting all Marantec operator systems and systems from other manufacturers and as well for utilization of the two channels traffic control and/or light
- For construction projects that require a higher protection category
- Control mode long-term usage impulse
- Connection possibility for pushbuttons

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 114 x 72 x 36 mm |
| Weight | 0,1 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 50mA |
| Protection category | IP 65 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |

Digital

Remote controls

4.7



Digital 351

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal receiver, 3-channel 868 MHz Multibit | 65 642 | £ 120.00 |
| 433 MHz Multibit | 65 643 | £ 120.00 |

Package

- Universal receiver, 3-channel
- Module aerial
- Mounting material

Function/application

- Every channel can be programmed to the functions 'Impulse'/'On'/'Off'
- Awning function with channel 1 and 2
- Timer: 1 min., 3 min., 8 min.
- For retrofitting of all Marantec operator systems and systems from other manufacturers
- To control additional electric devices, e.g. light and/or alarm system

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 150 x 113 x 50 mm |
| Weight | 0,5 kg |
| Nominal voltage | 230 V / 50 Hz |
| | DC or AC 12 - 24 V |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |



Digital 352

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal receiver, 3-channel 868 MHz Multibit | 65 644 | £ 180.00 |
| 433 MHz Multibit | 65 645 | £ 180.00 |

Package

- Universal receiver, 3-channel
- Module aerial
- Mounting material

Function/application

- Every channel can be programmed to the functions 'Impulse'/'On'/'Off'
- Awning function with channel 1 and 2
- Timer: 1 min., 3 min., 8 min.
- For retrofitting of all Marantec operator systems and systems from other manufacturers
- To control additional electric devices, e.g. light and/or alarm system
- For construction projects that require a higher protection category

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 150 x 113 x 50 mm |
| Weight | 1,1 kg |
| Nominal voltage | 230 V / 50 Hz |
| | DC or AC 12 - 24 V |
| Protection category | IP 65 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Digital

4.8

Remote controls



NEW



NEW

Digital 361

| Article | Article no. | Price each |
|-------------------------|-------------|------------|
| Recess-mounted receiver | | |
| 868 MHz Multibit | 65 654 | £ 60.00 |
| 433 MHz Multibit | 65 655 | £ 60.00 |

Package

- Recess-mounted receiver

Function/application

- 'On'/'Off'
- To control electric devices inside the house
e.g. lamps, fans etc.
(all devices that can be switched on and off with max. 10/16 A)

Technical details/specifications

| | |
|----------------------|---------------------------|
| Measurements (WxHxD) | 45 x 45 x 25 mm |
| Weight | 0,06 kg |
| Nominal voltage | 230/250 V AC, 50/60 Hz |
| Power consumption | Approx. 30 mA |
| Protection category | IP 40 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |

Digital 362

| Article | Article no. | Price each |
|---|-------------|------------|
| Socket receiver | | |
| 868 MHz Multibit | 68 316 | £ 60.00 |
| 433 MHz Multibit | 68 314 | £ 60.00 |
| (Plug systems also available for the countries GB, CH, B/F) | | |

Package

- Socket receiver

Function/application

- 'On'/'Off'
- To control electric devices inside the house
e.g. lamps, fans etc.
(all devices that can be switched on and off with max. 10/16 A)

Technical details/specifications

| | |
|----------------------|---------------------------|
| Measurements (WxHxD) | 50 x 120 x 75 mm |
| Weight | 0,17 kg |
| Nominal voltage | 230/250 V AC, 50/60 Hz |
| Power consumption | Approx. 30 mA |
| Protection category | IP 20 |
| Range of temperature | -10°C to +40°C |

Digital

Remote controls

4.9



NEW

Digital 371

| Article | Article no. | Price each |
|--|-------------|------------|
| Impulse socket receiver 868 MHz Multibit | 65 652 | £ 70.00 |
| 433 MHz Multibit (Plug systems also available for the countries GB, CH, B/F) | 65 653 | £ 70.00 |

Package

- Impulse socket receiver
- 2-core cable (1.500 mm)
- Connecting cable for external switch, 2 pc.

Function/application

- 'Impulse'
- For easily retrofitting operators from other manufacturers to Marantec hand transmitters and/or to update the radio frequencies
- Connecting cable for external switch

Technical details/specifications

| | |
|----------------------|------------------------------|
| Measurements (WxHxD) | 50 x 120 x 75 mm |
| Weight | 0,15 kg |
| Nominal voltage | 230/250 V AC, 50/60 Hz |
| Power consumption | Approx. 30 mA |
| Protection category | IP 20 |
| Range of temperature | -10°C to +40°C |
| Cabling | Conventional to the operator |



NEW

Digital 343

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal receiver, 2-channel incl. system cable 868 MHz Multibit | 73 303 | £ 70.00 |

Package

- Universal receiver, 2-channel
- pre-cabled with system cable (2.100 mm)

Function/application

- Potential-free impulse / switch function
- For retrofitting the frequency, ready to plug in
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 70 x 63 x 35 mm |
| Weight | 0,07 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 50 mA |
| Protection category | IP 20 |
| Range of temperature | -20°C to +60°C |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Digital

4.10 Remote controls



NEW



NEW

Retrofit kit Digital 371

| Article | Article no. | Price each |
|----------------------------------|-------------|------------|
| Retrofit kit 868 MHz Multibit | 70 297 | £ 110.00 |

Package

- Impulse socket receiver
- 2-core cable (1.500 mm)
- Digital 304 Mini hand transmitter, 4-channel
- 3 V button cell, CR 2032
- Coding plug
- Wall support
- Visor clip

Function/application

- 'Impulse'
- For easily retrofitting operators from other manufacturers to Marantec hand transmitters and/or to update the radio frequencies

Technical details/specifications

| | |
|----------------------|---------------------------|
| Measurements (WxHxD) | 50 x 120 x 75 mm |
| Weight | 0,2 kg |
| Nominal voltage | 230/250 V AC, 50/60 Hz |
| Power consumption | Approx. 30 mA |
| Protection category | IP 20 |
| Range of temperature | -10°C to +40°C |
| Cabling | Conventional |

Retrofit kit Digital 343

| Article | Article no. | Price each |
|----------------------------------|-------------|------------|
| Retrofit kit 868 MHz Multibit | 74 213 | £ 110.00 |

Package

- Digital 343 universal receiver, 2-channel
- Pre-cabled with system cable (2.100 mm)
- Digital 304 Mini hand transmitter, 4-channel
- 3 V button cell, CR 2032
- Coding plug
- Wall support
- Visor clip

Function/application

- Potential-free impulse/switch function
- For retrofitting the frequency without plug
- For all Marantec operator systems

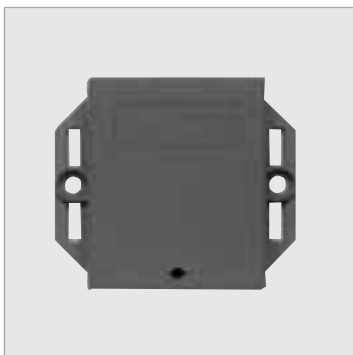
Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 70 x 63 x 35 mm |
| Weight | 0,07 kg |
| Nominal voltage | DC or AC 12 - 24 V |
| Power consumption | Approx. 50 mA |
| Protection category | IP 20 |
| Range of temperature | -20°C to +60°C |
| Cabling | System cabling |

Digital

Remote controls

4.11



Code converter

| Article | Article no. | Price each |
|-----------------------------------|-------------|------------|
| Code converter Multibit 10-bit | 47 271 | £ 60.00 |

Package

- Code converter

Function/application

- For conversion from Multibit code to 10-bit code

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 60 x 55 x 25 mm |
| Weight | 0,1 kg |
| Nominal voltage | 230 V/50 Hz |
| Protection category | IP 00 |
| Range of temperature | -20°C to +60°C |
| Cabling | System cabling |



Plug-in power pack

| Article | Article no. | Price each |
|---|-------------|------------|
| Plug-in power pack for the receivers Digital 343/344 | 564 009 | £ 26.00 |

Package

- Plug-in power pack

Function/application

- Power supply for the receivers
Digital 343/344

Technical details/specifications

| | |
|----------------------|---------------------------------|
| Measurements (WxHxD) | 56 x 95 x 84 mm |
| Weight | 0,4 kg |
| Nominal voltage | 230 V/50 Hz |
| | 12 V - (12 VA) |
| Protection category | IP 00 |
| Cabling | Conventional to the receiver |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.1

Command devices



Command 105

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Interior pushbutton | 66 021 | £ 14.00 |

Package

- Interior pushbutton
- System cable with system plug (7.000 mm), pre-cabled
- Mounting material

Function/application

- Impulse
- With one LED each for door 'Open'/door 'Close', to indicate the door position
- Impulse sequence 'Open'-'Stop'-'Close'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 47 x 73 x 24 mm |
| Weight | 0,3 kg |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |

Command 111

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Interior pushbutton | 66 024 | £ 28.00 |

Package

- Interior pushbutton
- System cable with system plug (7.500 mm)
- Mounting material

Function/application

- Impulse
- With one LED each for door 'Open'/door 'Close', to indicate the door position
- Impulse sequence 'Open'-'Stop'-'Close'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 100 x 150 x 24 mm |
| Weight | 0,3 kg |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |

Command

Command devices

5.2



Command 112

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Interior pushbutton | 66 025 | £ 34.00 |

Package

- Interior pushbutton
- System cable with system plug (7.500 mm)
- Mounting material

Function/application

- Direction impulse
- With one LED each for door 'Open'/door 'Close', to indicate the door position
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 100 x 150 x 24 mm |
| Weight | 0,3 kg |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |



Command 113

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Interior pushbutton | 66 026 | £ 44.00 |

Package

- Interior pushbutton
- System cable with system plug (7.500 mm)
- Mounting material

Function/application

- Impulse
- With one LED each for door 'Open'/door 'Close', to indicate the door position
- Impulse sequence 'Open'-'Stop'-'Close'
- Slide switch for permanent light of the operator lighting 'On'/'Off'
- Slide switch for operator system 'On'/'Off'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 100 x 150 x 24 mm |
| Weight | 0,3 kg |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.3

Command devices



Command 114

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Interior pushbutton | 66 027 | £ 54.00 |

Package

- Interior pushbutton
- System cable with system plug (7.500 mm)
- Mounting material

Function/application

- Direction impulse
- With one LED each for door 'Open'/door 'Close', to indicate the door position
- Slide switch for permanent light of the operator lighting 'On'/'Off'
- Slide switch for operator system 'On'/'Off'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 100 x 150 x 24 mm |
| Weight | 0,3 kg |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |



Command 131

| Article | Article no. | Price each |
|--|-------------|------------|
| Remote controlled interior pushbutton, 2-channel | | |
| 868 MHz Multibit | 64 812 | £ 16.00 |
| 433 MHz Multibit | 65 694 | £ 16.00 |

Package

- Remote controlled interior pushbutton
- 3 V button cell, CR 2032
- Coding cable
- Mounting material

Function/application

- Impulse
- Impulse sequence 'Open'-'Stop'-'Close'
- For all Marantec operator systems (in combination with the respective Digital receiver)

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 50 x 80 x 27 mm |
| Weight | 0,3 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 00 (only for dry premises) |
| Cabling | Without cable |

Command

Command devices

5.4

**NEW**

Command 132

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Recess-mounted transmitter, 4-channel | | |
| 868 MHz Multibit | 70 028 | £ 41.00 |
| 433 MHz Multibit | 70 710 | £ 41.00 |

Package

- Recess-mounted transmitter, 4-channel
- 3 V button cell, CR 2032

Function/application

- Impulse
- For cabling to standard buttons and/or switches
- For wireless control of electric devices e.g. lamps, fans etc. (in combination with the respective Digital receiver and external operation button/switch)

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 36 x 30 x 10 mm |
| Weight | 0,05 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 20 |
| Range of temperature | -20°C to + 60°C |
| Coding possibilities | > 70 millions |



Command 701

| Article | Article no. | Price each |
|--|-------------|------------|
| Ceiling-mounted pull switch with pull cord | 151 050 | £ 54.00 |

Package

- Ceiling-mounted pull switch
- Pull cord (3.500 mm)
- Holder

Function/application

- Impulse for door 'Open'/door 'Close'
- For the operator system Comfort 257

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 350 x 60 x 30 mm |
| Weight | 0,4 kg |
| Protection category | IP 65 |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.5

Command devices

**Command 311**

| Article | Article no. | Price each |
|----------------------------|-------------|------------|
| Key switch, recess-mounted | 152 238 | £ 30.00 |

Package

- Key switch with aluminium cover and installation box
- System cable with system plug (2.000 mm), pre-cabled
- Key cylinder with 2 keys
- Mounting material

Function/application

- Impulse for door 'Open'/door 'Close'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|------------------------------------|
| Measurements (Ø x D) | (housing) 60 x 70 mm |
| (Ø x D) | (cover) 100 x 100 mm |
| (Ø x D) | (drill hole) approx. 65 x 75 mm |
| Weight | 0,4 kg |
| Protection category | IP 44 |
| Cabling | System cabling |

**Command 314**

| Article | Article no. | Price each |
|----------------------------|-------------|------------|
| Key switch, recess-mounted | 8 054 186 | £ 39.00 |

Package

- Key switch with aluminium cover and installation box
- Cable, 2-core (10.000 mm)
- Key cylinder with 2 keys
- Mounting material

Function/application

- Impulse
- For all Marantec operator systems in combination with Command 131 remote controlled interior pushbutton

Technical details/specifications

| | |
|----------------------|------------------------------------|
| Measurements (Ø x D) | (housing) 60 x 70 mm |
| (Ø x D) | (cover) 100 x 100 mm |
| (Ø x D) | (drill hole) approx. 65 x 75 mm |
| Weight | 0,4 kg |
| Protection category | IP 44 |
| Cabling | Conventional |

Command

Command devices

5.6



Command 411

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Key switch, surface-mounted | 152 243 | £ 37.00 |

Package

- Key switch with aluminium cover and installation box
- System cable with system plug (2.000 mm), pre-cabled
- Key cylinder with 2 keys
- Mounting material

Function/application

- Impulse for door 'Open'/door 'Close'
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|----------------------|----------------------|
| Measurements (Ø x D) | (housing) |
| | 84 x 84 x 70 mm |
| (Ø x D) | (cover) 80 x 80 mm |
| (Ø x D) | (drill hole) approx. |
| | 65 x 75 mm |
| Weight | 1,0 kg |
| Protection category | IP 44 |
| Cabling | System cabling |



Command 312

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Key switch in post | 152 832 | £ 96.00 |

Package

- Key switch in post
- Key cylinder with 2 keys
- Mounting material

Function/application

- Impulse door 'Open'/door 'Close'
- Alternatively connectable: Impulse 'Open' and 'Close' via one-way contact
- 'Open/Close' (pre-cabled): open and close via two-way contact
- For all Marantec operator systems and operator systems from other manufacturers

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 100 x 1.090 x |
| | 120 mm |
| (WxH) | (mounting area) |
| | 160 x 160 mm |
| Weight | 7,5 kg |
| Protection category | IP 44 |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.7

Command devices



Command 201

| Article | Article no. | Price each |
|-------------|-------------|------------|
| Code keypad | 70 954 | £ 120.00 |

Package

- Code keypad (exterior)
- Code evaluation unit (interior)
- System cable with system plug (7.500 mm), pre-cabled
- Connecting cable (2.000 mm)
- Mounting material

Function/application

- Impulse door 'Open'/door 'Close' by entering an individual PIN code
- Power supply and data exchange via system cable
- Light function for external lighting
- 'Impulse', light 'On'/'Off', 'Stop'
- Potential-free contact
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|--|-------------------|
| Measurements exterior code keypad (WxHxD) | 90 x 130 x 12 mm |
| Measurements interior code evaluation unit (WxHxD) | 100 x 150 x 24 mm |
| Weight | 0,8 kg |
| Protection category exterior code keypad | IP 65 |
| Protection category interior code evaluation unit | IP 44 |
| Cabling | System cabling |



Command 202

| Article | Article no. | Price each |
|-------------|-------------|------------|
| Code keypad | 70 955 | £ 151.00 |

Package

- Code keypad (exterior)
- Code evaluation unit (interior)
- Connecting cable (2.000 mm)
- Mounting material

Function/application

- Impulse door 'Open'/door 'Close' by entering an individual PIN code (potential-free contact)
- Power supply and data exchange via conventional cabling
- Light function for external lighting
- 'Impulse', light 'On'/'Off', 'Stop'
- Potential-free contact
- For all Marantec operator systems and operator systems from other manufacturers

Technical details/specifications

| | |
|--|-----------------------------|
| Measurements exterior code keypad (WxHxD) | 90 x 130 x 12 mm |
| Measurements interior code evaluation unit (WxHxD) | 490 x 150 x 125 mm |
| Weight | 1,3 kg |
| Nominal voltage | 230 V AC |
| Protection category exterior code keypad | IP 65 |
| Protection category interior code evaluation unit | IP 44 |
| Cabling | System cabling/conventional |

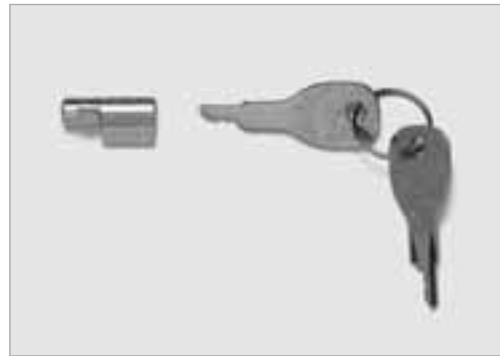
Command

Command devices

5.8



NEW



NEW

Command 231

| Article | Article no. | Price each |
|--|-------------|------------|
| Remote digital coder 868 MHz Multibit | 69 533 | £ 51.00 |
| 433 MHz Multibit | 69 534 | £ 51.00 |

Package

- Remote digital coder
- 3 V button cell, CR 2032
- Coding pin
- Mounting material

Function/application

- Impulse door 'Open'/door 'Close' by a 4-digit PIN code
- Programming possibility: 3-channels permanently
1-channel temporarily
- 1-channel can be programmed for a switch function
- Light function for external lighting
- 'Impulse', light 'On'/'Off', 'Stop'
(only with the respective Digital receiver)
- For all Marantec operator systems (with the respective
Digital receiver)

Technical details/specifications

| | |
|----------------------|------------------------------|
| Measurements (WxHxD) | 70 x 110 x 48 mm |
| Weight | 0,2 kg |
| Nominal voltage | 2 x 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Cabling | Without cable |

Key lock for Command 231

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Key lock for Command 231 | 69 917 | £ 1.98 |

Package

- Key lock
- Two keys

Function/application

- For additional protection of the remote digital coder
Command 231

Technical details/specifications

| | |
|----------------------|--|
| Measurements (WxHxD) | |
| Weight | |
| Nominal voltage | |
| Protection category | |
| Cabling | |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.9

Command devices



Command 801

| Article | Article no. | Price each |
|--|-------------|------------|
| Transponder reading electronics for max. 117 users | 47 729 | £ 151.00 |

Package

- Transponder reading electronics
- 3 code cards
- Mounting materials

Function/application

- Contact-free operation with transponder code card or transponder key ring
- Impulse function
- For all Marantec operator systems with system cabling

Technical details/specifications

| | |
|---|---|
| Measurements reading unit (WxHxD) | 94 x 104x 24 mm |
| | Max. 1.000 mm to the evaluation electronics |
| Measurements evaluation electronics (WxHxD) | 94 x 104 x 30 mm |
| Weight | 0,6 kg |
| Protection category reading unit | IP 65 |
| Protection category evaluation electronics | IP 00 |
| Cabling | System cabling/conventional |

Command 811

| Article | Article no. | Price each |
|---|-------------|------------|
| Transponder reading electronics for 1.000 users | 8 054 136 | £ 450.00 |

Package

- Base station incl. integrated reading aerial (interior mounting)
- Reading module (exterior mounting)
- Code card
- Master card
- Plug-in power pack
- Mounting material

Function/application

- Contact-free operation with transponder code card or transponder key ring
- Connection possibility of maximum 5 reading modules
- Impulse function
- For all Marantec operator systems and operator systems from other manufacturers
- Oncoming traffic control (only for Comfort 257)

Technical details/specifications

| | |
|----------------------|---|
| Measurements (WxHxD) | (base station) 100 x 150 x 26 mm |
| | (reading module) 40 x 75 x 15 mm |
| Weight | 0,7 kg |
| Nominal voltage | 24 V |
| Protection category | (base station) only for dry premises, IP 00 |
| | (reading module) IP 65 |
| Cabling | Conventional |

Command

Command devices

5.10



Reading module

| Article | Article no. | Price each |
|----------------|-------------|------------|
| Reading module | 8 054 092 | £ 110.00 |

Package

- Reading module

Function/application

- Contact-free operation with transponder code card or transponder key ring
- Only in combination with Command 811
Transponder reading electronics can be used

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 40 x 75 x 15 mm |
| Weight | 0,1 kg |
| Protection category | IP 65 |
| Cabling | Conventional |



Transponder code card

| Article | Article no. | Price each |
|-----------------------|-------------|------------|
| Transponder code card | 8 009 748 | £ 5.00 |

Package

- Transponder code card

Function/application

- For contact-free operation of Command 801/811
- Only in combination with Command 801/811
Transponder reading electronics can be used

Technical details/specifications

| | |
|--------------------|------------|
| Measurements (WxH) | 85 x 54 mm |
| Weight | 0,006 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Command

5.11 Command devices



Transponder key ring

| Article | Article no. | Price each |
|------------------------|-------------|---------------|
| · Transponder key ring | 8 054 097 | £ 9.00 |

Package

· Transponder key ring

Function/application

- For contact-free operation of Command 801/811
- Only in combination with Command 801/811
Transponder reading electronics can be used

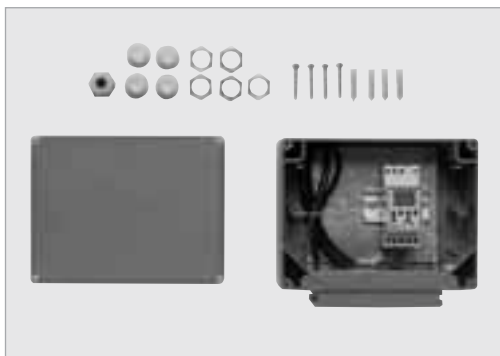
Technical details/specifications

Measurements (WxHxD) 33 x 43 x 4 mm
Weight 0,008 kg

Control

Control units

6.1



Week timer in housing

| Article | Article no. | Price each |
|------------------------------------|-------------|------------|
| Week timer in housing 1-channel | 8 050 740 | £ 185.00 |

Package

- Week timer
- Connection flange
- Mounting material

Function/application

- To keep door systems open by individually set times
- In combination with automatic closing timer
- For the operator system Comfort 257

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 196 x 150 x 124 mm |
| Weight | 1,1 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |



Control 222

| Article | Article no. | Price each |
|---|-------------|------------|
| Universal connection kit for automatic closing timer | 48 230 | £ 76.00 |

Package

- Universal connection kit
- 2 system cables with system plugs (7.500 mm)
- Mounting material

Function/application

- To connect: wicket door contact, photocell signal light, wipe impulse, closing edge safety device optosensor or closing edge safety device contact bar, command devices with system cabling
- Extension unit for automatic closing timer
- For the operator systems Comfort 250, 252

Technical details/specifications

| | |
|----------------------|-------------------------------|
| Measurements (WxHxD) | 220 x 105 x 135 mm |
| Weight | 0,7 kg |
| Nominal voltage | 24 V DC system |
| Protection category | IP 00 (only for dry premises) |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Control

6.2

Control units



Control 300

| Article | Article no. | Price each |
|---|-------------|-----------------|
| Oncoming traffic control with automatic closing timer | 564 020 | £ 400.00 |

Package

- Oncoming traffic control
- 2 signal lights each, red and green
- Mounting material

Function/application

- On request from inside/outside the respective driveway is set to green
- For oncoming traffic control in underground and/or collective garages
- For the operator system Comfort 257

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 195 x 170 x 124 mm |
| Weight | 4,5 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |



Control 400

| Article | Article no. | Price each |
|---|-------------|-----------------|
| Induction loop detector in housing, 1-channel | 45 479 | £ 440.00 |

Package

- Induction loop detector without loop cable
- Connecting cable
- Mounting material

Function/application

- Contact-free impulse to switch operator systems by crossing an induction loop that is laid beneath ground
- Change-over contact for occupied loop
- Closing contact for wipe impulse if the loop is occupied
- Only in combination with a loop cable
- For the operator systems Comfort 257 and Comfort 820

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 195 x 150 x 124 mm |
| Weight | 1,2 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |

Control

Control units

6.3



Control 401

| Article | Article no. | Price each |
|--|-------------|------------|
| Induction loop detector in housing, 2-channel with direction detection | 8 052 932 | £ 260.00 |

Package

- Induction loop detector without loop cable
- Connecting cable
- Mounting material

Function/application

- Contact-free impulse to switch operator systems by crossing an induction loop that is laid beneath ground
- The direction impulse can be used to control the driveways
- Only in combination with a loop cable
- For the operator systems Comfort 257 and Comfort 820

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 195 x 150 x 124 mm |
| Weight | 1,6 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |



Induction loop detector

| Article | Article no. | Price each |
|---|-------------|------------|
| Induction loop detector, 2-channel with direction detection | 8 052 931 | £ 220.00 |

Package

- Induction loop detector without loop cable
- Relay socket

Function/application

- Contact-free impulse to switch operator systems by crossing an induction loop that is laid beneath ground
- The direction impulse can be used to control the driveways
- For the operator systems Comfort 257 and Comfort 820

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 167 x 80 x 53 mm |
| Weight | 0,3 kg |
| Nominal voltage | 230 V |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Control

6.4

Control units



Loop cable

| Article | Article no. | Price each |
|------------------------------|-------------|------------|
| Loop cable, type SIAF 1,5 mm | 8 001 745 | £ 36.00 |

Package

- Loop cable

Function/application

- Specially insulated cable to lay beneath ground
- Mouldable with a suitable moulding material
- For induction loop detector
- For induction loop Control 400/401

Technical details/specifications

| | |
|------------------|--------|
| Measurements (Ø) | 200 mm |
| Weight | 1,0 kg |
| Length | 50 m |



Adapter circuit board

| Article | Article no. | Price each |
|-----------------------|-------------|------------|
| Adapter circuit board | 61 556 | £ 18.00 |

Package

- Adapter circuit board

Function/application

- Screw terminals/system plugs
- Transformation from conventional cabling to system cabling and vice versa

Technical details/specifications

| | |
|----------------------|-----------------------------|
| Measurements (WxHxD) | 60 x 25 x 20 mm |
| Weight | 0,02 kg |
| Cabling | System cabling/conventional |

Control

Control units

6.5



Adapter circuit board in housing

| Article | Article no. | Price each |
|----------------------------------|-------------|------------|
| Adapter circuit board in housing | 8 055 526 | £ 22.00 |

Package

- Adapter circuit board in housing
- System cable with system plug (300 mm)

Function/application

- Screw terminals/system plugs
- Transformation from conventional cabling to system cabling and vice versa

Technical details/specifications

| | |
|----------------------|-----------------------------|
| Measurements (WxHxD) | 103 x 80 x 40 mm |
| Weight | 0,06 kg |
| Protection category | IP 54 |
| Cabling | System cabling/conventional |



Signal light

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Signal light incl. illuminant | | |
| Red version | 46 729 | £ 32.00 |
| Green version | 47 281 | £ 32.00 |
| Yellow version | 47 282 | £ 32.00 |

Package

- Signal light incl. illuminant
- Mounting material

Function/application

- Depending on command - flashlight or permanent light
- Rotation by 180°
- Signal, warning
- For all operator systems for garage doors

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 200 x 202 x 185 mm |
| Weight | 1,1 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |
| Ø signal light | 130 mm |
| Illuminant | 1 x 40 W/E40 |

Comfort

Digital

Command

Control

Special

Comfort 400

Control

6.6

Control units



Signal light

| Article | Article no. | Price each |
|---|-------------|------------|
| Signal light incl. illuminant Yellow version | 8 052 881 | £ 22.00 |

Package

- Signal light incl. illuminant

Function/application

- Depending on command - flashlight or permanent light
- Signal, warning
- For all operator systems for hinged doors and sliding gates

Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 170 x 140 x 125 mm |
| Weight | 0,4 kg |
| Nominal voltage | 230 V |
| Protection category | IP 65 |
| Cabling | Conventional |
| Illuminant | 1 x 40 W |



Small system housing

| Article | Article no. | Price each |
|--|-------------|------------|
| Empty housing with connecting flange, 0,8 kg | 153 220 | £ 46.00 |
| Empty housing without connecting flange, 0,6 kg | 564 504 | £ 32.00 |

Package

- Small system housing incl. circuit board support

Function/application

- To flange to Marantec system housings
- To extend control units
- To house extension units

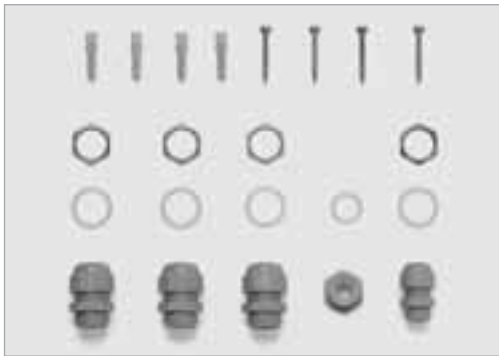
Technical details/specifications

| | |
|----------------------|--------------------|
| Measurements (WxHxD) | 196 x 150 x 124 mm |
| Weight | 0,8 kg |
| | 0,6 kg |
| Protection category | IP 65 |

Control

Control units

6.7



Screw kit

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Screw kit (for empty housing) | 151 247 | £ 15.00 |

Package

- Screw kit

Function/application

- To screw on cables
- For cable inserts

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 120 x 190 x 20 mm |
| Weight | 0,07 kg |
| Protection category | IP 65 |

Comfort

Digital

Command

Control

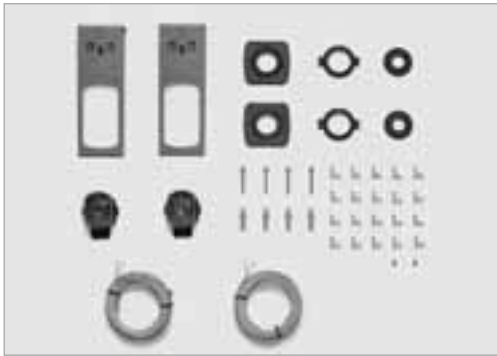
Special

Comfort 400

Special

7.1

Photocells



NEW



Special 607

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| One-way photocell 2-wire technique | 71 341 | £ 38.00 |

Package

- One-way photocell
- 2 fixing angles
- 2 x connecting cable (10.000 mm)
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- For the operator system Comfort 211
- For the operator systems Comfort 220, 250, 252 from year of construction 05/2003

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 110 x 220 x 65 mm |
| Weight | 0,6 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 32 |
| Cabling | 2-wire |

Special 613

| Article | Article no. | Price each |
|--|-------------|------------|
| Reflection photocell including installation bracket | 153 550 | £ 90.00 |

Package

- Reflection photocell
- System cable with system plug (7.000 mm)
- Installation bracket, stainless steel
- Reflector
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- With system cabling ready to plug in
- Preferably for operator systems - industrial use
- With additional protection of the device by the installation bracket
- For all Marantec operator systems
- Not suitable as safety photocell according to EN 12445

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 220 x 45 x 160 mm |
| Weight | 0,9 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 8 m |

Special

Photocells

7.2



Special 613

| Article | Article no. | Price each |
|---|-------------|------------|
| Reflection photocell without installation bracket | 8 052 882 | £ 60.00 |

Package

- Reflection photocell
- System cable with system plug (7.000 mm)
- Reflector
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- With system cabling ready to plug in
- Preferably for operator systems - private use
- For all Marantec operator systems
- Not suitable as safety photocell according to EN 12445

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 215 x 50 x 160 mm |
| Weight | 0,5 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 8 m |



Special 614

| Article | Article no. | Price each |
|--|-------------|------------|
| One-way photocell incl. installation bracket | 152 675 | £ 80.00 |

Package

- One-way photocell
- 2 x system cables with system plugs (16.000 mm/7.000 mm)
- Installation bracket, stainless steel
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- With system cabling ready to plug in
- Preferably for operator systems - industrial use
- With additional protection of the device by the installation bracket
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 265 x 55 x 185 mm |
| Weight | 1,7 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 8 m |

Comfort

Digital

Command

Control

Special

Comfort 400

Special

7.3

Photocells



Special 614

| Article | Article no. | Price each |
|--|-------------|------------|
| One-way photocell without installation bracket | 8 052 883 | £ 60.00 |

Package

- One-way photocell
- 2 x system cables with system plugs (7.000 mm)
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- With system cabling ready to plug in
- Preferably for operator systems - private use
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 265 x 55 x 185 mm |
| Weight | 0,7 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 8 m |

Special 624

| Article | Article no. | Price each |
|--|-------------|------------|
| One-way photocell incl. installation bracket | 66 166 | £ 94.00 |

Package

- One-way photocell
- 2 x system cables with system plugs (18.000 mm)
- Installation bracket, stainless steel
- Mounting material

Function/application

- Optical safety device
- If the light beam is interrupted, the operator system stops
- To protect against personal injuries and material damages
- With system cabling ready to plug in
- Preferably for operator systems - industrial use
- With additional protection of the device by the installation bracket
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 265 x 55 x 185 mm |
| Weight | 0,7 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 14 m |

Special

Photocells

7.4



Special 615

| Article | Article no. | Price each |
|---------------------------|-------------|------------|
| One-way photocell in post | 152 703 | £ 180.00 |

Package

- One-way photocell in post, pre-assembled
- System cable with system plug
- Mounting material

Function/application

- For additional safety
- With system cabling ready to plug in
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 140 x 600 x 140 mm |
| Weight | 11,0 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |
| Range | 8 m |



Circuit board photocell expander

| Article | Article no. | Price each |
|--|-------------|------------|
| Circuit board photocell expander (for installation in housing) | 45 919 | £ 30.00 |

Package

- Circuit board photocell expander

Function/application

- Extension unit for a second photocell
- For connection of two photocells to one photocell exit of the operator control unit
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 30 x 65 x 18 mm |
| Weight | 0,02 kg |
| Nominal voltage | (control unit) 24 V DC |
| Cabling | System cabling |

Comfort

Digital

Command

Control

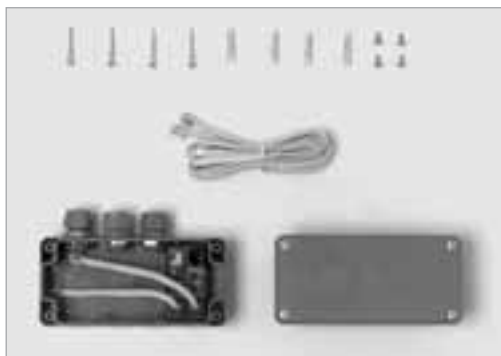
Special

Comfort 400

Special

7.5

Photocells



Photocell expander in housing

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Photocell expander in housing | 45 993 | £ 48.00 |

Package

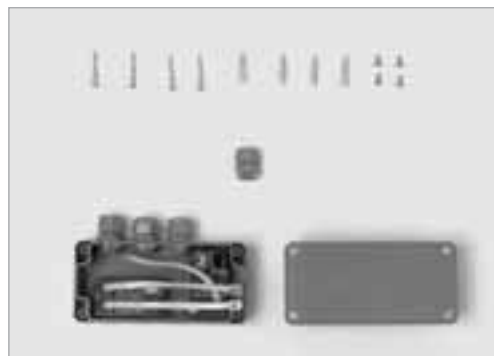
- Photocell expander in housing
- System cable with system plug (2.100 mm)
- Mounting material

Function/application

- Extension unit for a second photocell
- For connection of two photocells to one photocell exit of the operator control unit
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 200 x 120 x 60 mm |
| Weight | 1,4 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |



Photocell expander in housing

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Photocell expander in housing | 8 051 996 | £ 72.00 |

Package

- Photocell expander in housing
- System cable with system plug (7.500 mm)
- Mounting material

Function/application

- Extension unit for two further photocells
- For connection of three photocells to one photocell exit of the operator control unit
- For all Marantec operator systems

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 200 x 120 x 60 mm |
| Weight | 1,5 kg |
| Nominal voltage | (control unit) 24 V DC |
| Protection category | IP 65 |
| Cabling | System cabling |

Special

System cabling

7.6



Special 501

| Article | Article no. | Price each |
|---------------------------------------|-------------|------------|
| Cable extension kit incl. coupling | 564 832 | £ 10.00 |

Package

- System cable with system plug (7.500 mm)
- Coupling
- Nail clamps

Function/application

- For extension of already existing system cabling
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 130 x 40 x 190 mm |
| Weight | 0,2 kg |
| Cabling | System cabling |



System plug connection

| Article | Article no. | Price each |
|---|-------------|------------|
| System plug connection for parallel connection | 562 849 | £ 4.00 |
| for series connection (safety circuit) | 151 228 | £ 4.00 |

Package

- System plug connection

Function/application

- For connection of extensions
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 25 x 20 x 31 mm |
| Weight | 0,01 kg |
| Cabling | System cabling |

Comfort

Digital

Command

Control

Special

Comfort 400

Special

7.7

System cabling



Coupling for plug system

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Coupling for plug system | 8 003 637 | £ 3.00 |

Package

- Coupling for plug system

Function/application

- To connect system cables
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 25 x 15 x 13 mm |
| Weight | 0,003 kg |
| Nominal voltage | 230 V |
| Cabling | System cabling |



System plug

| Article | Article no. | Price each |
|-----------------|-------------|------------|
| System plug kit | | |
| 6-pole | 564 186 | £ 32.00 |
| 4-pole | 152 921 | £ 30.00 |

Package

- System plugs, 50 pcs.

Function/application

- To crimp to system cable
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|----------------|
| Measurements (WxHxD) | Standard |
| Weight | 0,06 kg |
| Cabling | System cabling |

Special

System cabling

7.8



Special pliers for plug system

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Special pliers for plug system | 564 188 | £ 30.00 |

Package

- Special pliers for plug system

Function/application

- To crimp on the system plugs
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 70 x 25 x 200 mm |
| Weight | 0,4 kg |
| Cabling | System cabling |



Connecting cable

| Article | Article no. | Price each |
|----------------------------|-------------|------------|
| Connecting cable 6-pole | 61 202 | £ 36.00 |

Package

- Connecting cable, 50 m

Function/application

- For the Marantec system cabling

Technical details/specifications

| | |
|------------------|----------------|
| Measurements (Ø) | 265 mm |
| Weight | 1,2 kg |
| Cabling | System cabling |

Comfort

Digital

Command

Control

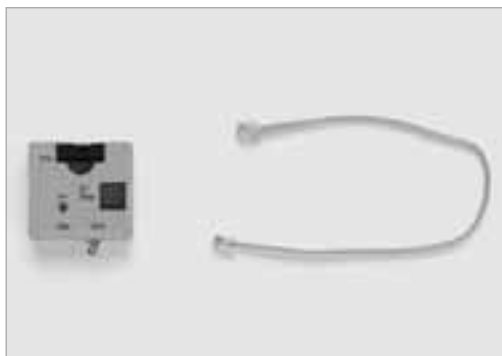
Special

Comfort 400

Special

7.9

Testing devices



Testing device optosensor

| Article | Article no. | Price each |
|---------------------------|-------------|------------|
| Testing device optosensor | 152 246 | £ 42.00 |

Package

- Testing device optosensor
- System cable with system plug (300 mm)

Function/application

- To test the closing edge safety device and the static current circuit

Technical details/specifications

| | |
|----------------------|------------------------|
| Measurements (WxHxD) | 50 x 60 x 25 mm |
| Weight | 0,08 kg |
| Nominal voltage | (control unit) 24 V DC |
| Cabling | System cabling |

Photocell expander in housing

| Article | Article no. | Price each |
|-----------------------------|-------------|------------|
| Testing device system cable | 152 245 | £ 42.00 |

Package

- Testing device system cable

Function/application

- To test 6-core and 4-core system cables on continuity and poling
- To test the cable slack switch
- Function display with LEDs
- For the Marantec system cabling

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 245 x 210 x 45 mm |
| Weight | 0,4 kg |
| Nominal voltage | 9 V block battery |
| Cabling | System cabling |

Special

Testing devices

7.10



Frequency detector

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Frequency detector | 61 828 | £ 54.00 |

Package

- Frequency detector
- 9 V block battery

Function/application

- For identification of parasitic frequencies in the ranges of 868 MHz and 433 MHz
- For the Marantec remote frequencies

Technical details/specifications

| | |
|----------------------|-------------------|
| Measurements (WxHxD) | 80 x 110 x 23 mm |
| Weight | 0,2 kg |
| Nominal voltage | 9 V block battery |



Diagnostic device

| Article | Article no. | Price each |
|-------------------|-------------|------------|
| Diagnostic device | 8 054 126 | £ 450.00 |

Package

- Diagnostic device
- Cable for serial interface
- CD ROM for installation
- Accessories for system cabling

Function/application

- To read and change the control parameters by means of a PC e.g. door travel counter, error memory, component test
- For the Marantec control systems

Technical details/specifications

| | |
|-----------------|-------------------------|
| System software | from Windows 95 onwards |
| Weight | 1,0 kg |

Comfort

Digital

Command

Control

Special

Comfort 400

Special

7.11 Testing devices



Diagnostic pack

| Article | Article no. | Price each |
|-----------------|-------------|------------|
| Diagnostic pack | 8 053 930 | £ 1.630.00 |

Package

- Diagnostic pack
- Diagnostic computer
- 3Link cable
- Mains adapter
- Diagnostic device

Function/application

- To read and change the control parameters by means of the diagnostic computer or PC, e.g. door travel counter, error memory, component test
- For the Marantec control system

Technical details/specifications

| | |
|----------------------|-------------------------|
| System software | from Windows 95 onwards |
| Measurements (WxHxD) | 360 x 130 x 170 mm |
| Weight | 2,0 kg |

Update for diagnostic device

| Article | Article no. | Price each |
|------------------------------|-------------|------------|
| Update for diagnostic device | 63 393 | £ 44.00 |

Package

- CD ROM
- Operating instructions

Function/application

- To update the software

Technical details/specifications

| | |
|-----------------|-------------------------|
| System software | from Windows 95 onwards |
|-----------------|-------------------------|

Special

Testing devices

7.12



Update for diagnostic pack

| Article | Article no. | Price each |
|----------------------------|-------------|------------|
| Update for diagnostic pack | 63 392 | £ 170.00 |

Package

- Pison memory card
- CD ROM
- Operating instructions

Function/application

- To update the software

Technical details/specifications

System software from Windows 95 onwards

Comfort

Digital

Command

Control

Special

Comfort 400

Comfort 400

8.1 Operator system for roller shutters and awnings



Comfort 400

| Article | Article no. | Price each |
|---------------------------|-------------|------------|
| Tubular motor Comfort 400 | | |
| M 08/17 | 66 778 | £ 73.00 |
| M 15/17 | 66 779 | £ 73.00 |
| M 30/17 | 66 780 | £ 78.00 |
| M 35/12 | 66 781 | £ 82.00 |
| M 45/12 | 66 782 | £ 89.00 |

| Function |
|-------------------------------|
| · Mechanical limit switch |
| · Variable cable exit |
| · Self-locking |
| · Clip mounting |
| · Thermal overload protection |
| · Noise-reduced running |

| Package |
|--|
| · Tubular motor Comfort 400, pre-assembled |
| · Adapter 60.8 KT |
| · Carrier link 60.8 KT |

| Application |
|---|
| · Operator systems for roller shutters |
| · Operator systems for awnings (except Comfort 400 M 08/17) |

| Electrical details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------------|---------|---------|---------|---------|---------|-----|
| Nominal voltage | 230 | 230 | 230 | 230 | 230 | V |
| Nominal frequency | 50 | 50 | 50 | 50 | 50 | Hz |
| Power consumption | 0,6 | 1,1 | 1,3 | 1,2 | 1,4 | A |
| Power input in operation | 0,135 | 0,200 | 0,285 | 0,275 | 0,310 | KW |
| Nominal torque | 8 | 15 | 30 | 35 | 45 | Nm |
| Nominal rotational speed | 17 | 17 | 17 | 12 | 12 | RPM |

| Mechanical details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------|---------|---------|---------|---------|---------|----|
| Pull force | 15 | 28 | 56 | 65 | 90 | kg |

| General details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|---------------------------------------|------------|------------|------------|------------|------------|----|
| Weight | 2,3 | 2,3 | 2,6 | 2,6 | 2,6 | kg |
| Measurements incl. carrier link (LxH) | 490 x 58,5 | 570 x 58,5 | 570 x 58,5 | 570 x 58,5 | 570 x 58,5 | mm |
| Use for roller shutters | x | x | x | x | x | |
| Use for awnings | | x | x | x | x | |

Comfort 400 IF

Operator system for roller shutters and awnings

8.2



NEW

Comfort 400 IF

| Article | Article no. | Price each |
|---|-------------|------------|
| Tubular motor Comfort IF with integrated radio control receiver | | |
| M 08/17 | 73 853 | £ 135.00 |
| M 15/17 | 72 682 | £ 140.00 |
| M 30/17 | 72 683 | £ 150.00 |
| M 35/12 | 72 684 | £ 150.00 |
| M 45/12 | 72 685 | £ 155.00 |

| Function |
|---|
| <ul style="list-style-type: none"> · Integrated radio control · Mechanical limit switch · Variable cable exit · Self-locking · Clip mounting · Thermal overload protection · Noise-reduced running |

| Package |
|---|
| <ul style="list-style-type: none"> · Tubular motor Comfort 400 IF, pre-assembled · Adapter 60.8 KT · Carrier link 60.8 KT · Integrated radio control receiver, 868 MHz Easywave |

| Application |
|--|
| <ul style="list-style-type: none"> · Operator systems for roller shutters and awnings |

| Electrical details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------------|---------|---------|---------|---------|---------|-----|
| Nominal voltage | 230 | 230 | 230 | 230 | 230 | V |
| Nominal frequency | 50 | 50 | 50 | 50 | 50 | Hz |
| Power consumption | 0,6 | 1,1 | 1,3 | 1,2 | 1,4 | A |
| Power input in operation | 0,135 | 0,200 | 0,285 | 0,275 | 0,310 | KW |
| Nominal torque | 8 | 15 | 30 | 35 | 45 | Nm |
| Nominal rotational speed | 17 | 17 | 17 | 12 | 12 | RPM |

| Mechanical details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------|---------|---------|---------|---------|---------|----|
| Pull force | 15 | 28 | 56 | 65 | 90 | kg |

| General details | M 08/17 | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|---------------------------------------|------------|------------|------------|------------|------------|----|
| Weight | 2,2 | 2,8 | 3,1 | 3,1 | 3,1 | kg |
| Measurements incl. carrier link (LxH) | 570 x 58,5 | 720 x 58,5 | 720 x 58,5 | 720 x 58,5 | 720 x 58,5 | mm |
| Use for roller shutters | x | x | x | x | x | |
| Use for awnings | | x | x | x | x | |

Comfort 400 KU

8.3 Operator system for roller shutters and awnings


NEW

Comfort 400 KU

| Article | Article no. | Price each |
|---|-------------|------------|
| Tubular motor Comfort 400 KU with integrated emergency crank device | | |
| M 15/17 | 72 678 | £ 135.00 |
| M 30/17 | 72 679 | £ 140.00 |
| M 35/12 | 72 680 | £ 140.00 |
| M 45/12 | 72 681 | £ 158.00 |

| Function |
|---|
| <ul style="list-style-type: none"> · Emergency crank device · Mechanical limit switch · Variable cable exit · Self-locking · Clip mounting · Thermal overload protection · Noise-reduced running |

| Package |
|---|
| <ul style="list-style-type: none"> · Tubular motor Comfort 400 KU, pre-assembled · Adapter 60.8 KT · Carrier link 60.8 KT · Integrated emergency crank device |

| Application |
|--|
| <ul style="list-style-type: none"> · Operator systems for roller shutters and awnings |

| Electrical details | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------------|---------|---------|---------|---------|-----|
| Nominal voltage | 230 | 230 | 230 | 230 | V |
| Nominal frequency | 50 | 50 | 50 | 50 | Hz |
| Power consumption | 1,1 | 1,3 | 1,2 | 1,4 | A |
| Power input in operation | 0,200 | 0,285 | 0,275 | 0,310 | KW |
| Nominal torque | 15 | 30 | 35 | 45 | Nm |
| Nominal rotational speed | 17 | 17 | 12 | 12 | RPM |

| Mechanical details | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|--------------------|---------|---------|---------|---------|----|
| Pull force | 28 | 56 | 65 | 90 | kg |

| General details | M 15/17 | M 30/17 | M 35/12 | M 45/12 | |
|---------------------------------------|----------|----------|----------|----------|----|
| Weight | 3,2 | 3,4 | 3,4 | 3,4 | kg |
| Measurements incl. carrier link (LxH) | 630 x 85 | 630 x 85 | 630 x 85 | 630 x 85 | mm |
| Use for roller shutters | x | x | x | x | |
| Use for awnings | x | x | x | x | |

Adapter kits

Comfort 400, 400 IF, 400 KU

8.4



Adapter kit for octagonal shafts

| Article | Article no. | Price each |
|---------------|-------------|------------|
| 50. octagonal | 66 848 | £ 4.00 |
| 60. octagonal | 66 846 | £ 4.00 |
| 70. octagonal | 66 847 | £ 5.00 |

Package

- Adapter
- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For octagonal shafts
- For roller shutters

Technical details/specifications

| | |
|------------------|-------|
| Measurements (Ø) | 50 mm |
| | 60 mm |
| | 70 mm |

Adapter kit for round/grooved shafts

| Article | Article no. | Price each |
|-------------------------|-------------|------------|
| 70. round/grooved shaft | 66 767 | £ 5.00 |
| 78. round/grooved shaft | 66 768 | £ 5.00 |

Package

- Adapter
- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For round/grooved shafts
- For awnings

Technical details/specifications

| | |
|------------------|-------|
| Measurements (Ø) | 70 mm |
| | 78 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Adapter kits

8.5

Comfort 400, 400 IF, 400 KU



Adapter kit Zurfluh Feller shafts

| Article | Article no. | Price each |
|--------------|-------------|------------|
| 54. round ZF | 66 769 | £ 2.50 |
| 64. round ZF | 66 770 | £ 3.00 |

Package

- Adapter
- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For shafts manufactured by Zurfluh Feller
- For roller shutters

Technical details/specifications

| | |
|------------------|----------------|
| Measurements (Ø) | 54 mm 64 mm |
|------------------|----------------|

Adapter kit for round shafts

| Article | Article no. | Price each |
|-----------|-------------|------------|
| 50. round | 66 771 | £ 3.00 |

Package

- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For round shafts
- For roller shutters

Technical details/specifications

| | |
|------------------|-------|
| Measurements (Ø) | 50 mm |
|------------------|-------|

Adapter kits

Comfort 400, 400 IF, 400 KU

8.6



NEW

Adapter kit for Deprat shafts

| Article | Article no. | Price each |
|-----------|-------------|---------------|
| Deprat 62 | 69 841 | £ 3.30 |

Package

- Adapter
- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For shafts manufactured by Deprat
- For roller shutters

Technical details/specifications

Measurements (Ø) 62 mm



NEW

Adapter kit for round/grooved shafts

| Article | Article no. | Price each |
|-------------------------|-------------|----------------|
| 85. round/grooved shaft | 72 695 | £ 16.00 |

Package

- Adapter
- Carrier link

Function/application

- To adapt the tubular motor to the shaft
- For round/grooved shafts
- For awnings

Technical details/specifications

Measurements (Ø) 85 mm

Comfort

Digital

Command

Control

Special

Comfort 400

Bearings

8.7 Comfort 400, 400 IF, 400 KU



Bearing for front-end box

| Article | Article no. | Price each |
|---------------------------|-------------|------------|
| Bearing for front-end box | 66 762 | £ 4.00 |

Package

- Bearing for front-end box

Function/application

- For easy clip-in mounting of the tubular motor in the roller shutter box
- For front-end roller shutter boxes
- For new roller shutter boxes
- For surface-mounted roller shutter boxes

Technical details/specifications

Measurements (Ø) 75 mm

Bearing for new box

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Bearing for new box | 66 959 | £ 6.00 |

Package

- Bearing for new box

Function/application

- For easy clip-in mounting of the tubular motor in the roller shutter box
- For new roller shutter boxes
- For roller shutter boxes that are as wide as the window

Technical details/specifications

Measurements (Ø) 75 mm
Measurements (H) 135 mm

Bearings

Comfort 400, 400 IF, 400 KU

8.8



Universal bearing

| Article | Article no. | Price each |
|-------------------|-------------|------------|
| Universal bearing | 66 969 | £ 6.00 |

Package

- Universal bearing

Function/application

- For easy clip-in mounting of the tubular motor in the roller shutter box
- For front-end roller shutter boxes
- For new roller shutter boxes
- For surface-mounted roller shutter boxes

Technical details/specifications

| | |
|--------------------|--------------|
| Measurements (Ø) | 75 mm |
| Measurements (WxH) | 100 x 100 mm |



Bearing for new box, with nose

| Article | Article no. | Price each |
|--------------------------------|-------------|------------|
| Bearing for new box, with nose | 66 963 | £ 8.00 |

Package

- Bearing for new box, with nose

Function/application

- For easy clip-in mounting of the tubular motor in the roller shutter box
- For new roller shutter boxes
- For roller shutter boxes that are wider than the window

Technical details/specifications

| | |
|------------------|--------|
| Measurements (Ø) | 75 mm |
| Measurements (H) | 150 mm |
| Nose | 40 mm |

Comfort

Digital

Command

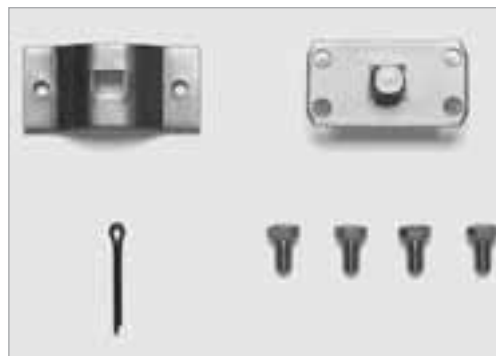
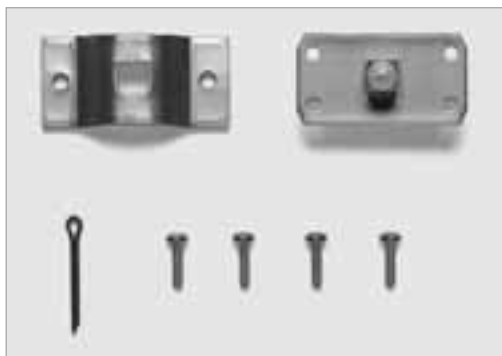
Control

Special

Comfort 400

Bearings

8.9 Comfort 400, 400 IF, 400 KU


NEW

Bearing for awning

| Article | Article no. | Price each |
|--------------------|-------------|------------|
| Bearing for awning | 66 764 | £ 4.00 |

Package

- Bearing for awning
- Square pin
- Mounting material

Function/application

- To mount the tubular motor in the awning box

Technical details/specifications

Measurements square pin (L) 10 mm

Bearing KU for awning

| Article | Article no. | Price each |
|-----------------------|-------------|------------|
| Bearing KU for awning | 73 015 | £ 4.00 |

Package

- Bearing for awning
- Square pin
- Mounting material

Function/application

- To mount the tubular motor in the roller shutter and awning box
- For the operator system Comfort 400 KU

Technical details/specifications

Measurements square pin (L) 10 mm

Comfort

Digital

Command

Control

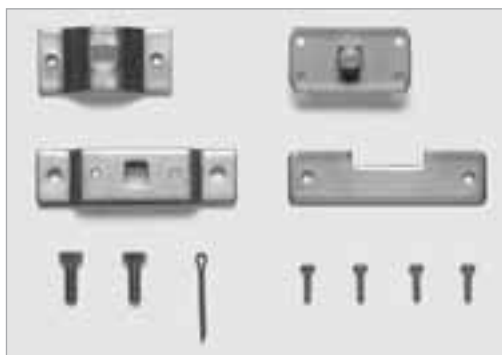
Special

Comfort 400

Bearings

Comfort 400, 400 IF, 400 KU

8.10



Refurbish bearing

| Article | Article no. | Price each |
|-------------------|-------------|------------|
| Refurbish bearing | 66 766 | £ 5.00 |

Package

- Bearing for awning
- Square pin
- Mounting material

Function/application

- To mount the tubular motor in the roller shutter box
- To retrofit old roller shutter boxes

Technical details/specifications

Measurements square pin (L) 10 mm



NEW

Bearing for new box with possibility to unroll

| Article | Article no. | Price each |
|--|-------------|------------|
| Bearing for new box with possibility to unroll | 72 693 | £ 9.50 |

Package

- Bearing for new box
- Square pin
- Mounting material

Function/application

- To mount the tubular motor in roller shutters
- Possibility to unroll the roller shutter by hand e.g. in case of power failure

Technical details/specifications

Measurements square pin (L) 10 mm
Measurements (WxH) 45 x 127 mm

Comfort

Digital

Command

Control

Special

Comfort 400

Bearings

8.11 Comfort 400, 400 IF, 400 KU


NEW

Universal bearing with possibility to unroll

| Article | Article no. | Price each |
|--|-------------|------------|
| Universal bearing with possibility to unroll | 72 694 | £ 8.50 |

Package

- Universal bearing
- Square pin
- Mounting material

Function/application

- To mount the tubular motor in roller shutters
- Possibility to unroll the roller shutter by hand e.g. in case of power failure

Technical details/specifications

| | |
|-----------------------------|-------------|
| Measurements square pin (L) | 10 mm |
| Measurements (WxH) | 85 x 100 mm |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

Comfort 400 KU

8.12



NEW

Crank arm, inflexible

| Article | Article no. | Price each |
|-----------------------|-------------|------------|
| Crank arm, inflexible | 72 686 | £ 8.00 |

Package

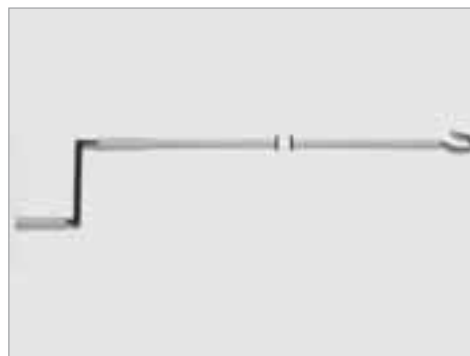
- Crank arm, inflexible

Function/application

- For emergency operation of the tubular motor
- For the operator system Comfort 400 KU

Technical details/specifications

Measurements crank arm (L) 1,500 mm



NEW

Crank arm, flexible

| Article | Article no. | Price each |
|---------------------|-------------|------------|
| Crank arm, flexible | 72 687 | £ 16.50 |

Package

- Crank arm, flexible

Function/application

- For emergency operation of the tubular motor
- For the operator system Comfort 400 KU

Technical details/specifications

Measurements crank arm (L) 1,500 mm

Comfort

Digital

Command

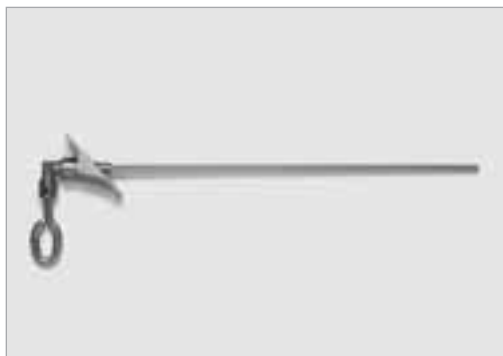
Control

Special

Comfort 400

Accessories

8.13 Comfort 400 KU



NEW

Cardan joint

| Article | Article no. | Price each |
|---------------------------------|-------------|------------|
| Emergency release mechanism 45° | 72 688 | £ 12.50 |
| Emergency release mechanism 90° | 72 690 | £ 17.00 |

Package

- Cardan joint

Function/application

- For emergency operation of the tubular motor
- For the operator system Comfort 400 KU

Technical details/specifications

| | |
|--|--------|
| Measurements hexagon rod, Emergency release mechanism 45° (L) | 350 mm |
| Measurements hexagon rod, Emergency release mechanism 90° (L) | 400 mm |



NEW

Nylon eye

| Article | Article no. | Price each |
|-----------|-------------|------------|
| Nylon eye | 72 692 | £ 5.00 |

Package

- Nylon eye

Function/application

- For emergency operation of the tubular motor
- For the operator system Comfort 400 KU

Technical details/specifications

| | |
|------------------------------|--------|
| Measurements hexagon rod (L) | 220 mm |
|------------------------------|--------|

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

Comfort 400, 400 IF, 400 KU

8.14



Locking switch

| Article | Article no. | Price each |
|---------------------------------|-------------|------------|
| Locking switch, surface-mounted | 67 514 | £ 5.00 |

Package

- Locking switch

Function/application

- Impulse 'Open'/'Close'
- Push/dwell function
- For all operator systems Comfort 400

Technical details/specifications

| | |
|---------------------|-----------------|
| Switch voltage | 250 V |
| Switch contact load | 10 A |
| Colour | White, RAL 9010 |



Rocker switch/rocker button

| Article | Article no. | Price each |
|-------------------------------|-------------|------------|
| Rocker switch, recess-mounted | 67 516 | £ 6.00 |
| Rocker button, recess-mounted | 67 515 | £ 6.00 |

Package

- Rocker switch or rocker button

Function/application

- Impulse 'Open'/'Close'
- For all operator systems Comfort 400

Technical details/specifications

| | |
|---------------------|-----------------|
| Switch voltage | 250 V |
| Switch contact load | 10 A |
| Colour | White, RAL 9010 |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

8.15 Comfort 400, 400 IF, 400 KU



Timer DUOMATIC 50

| Article | Article no. | Price each |
|-----------------------------------|-------------|------------|
| Timer DUOMATIC 50, recess-mounted | 67 517 | £ 37.00 |

Package

- Gate bracket

Function/application

- One 'Up'/'Down' time per day can be programmed
- Vacation switch (random generator)
- Reset button
- Summer time/winter time change-over
- Potential-free contact
- Chronological, self-learning menu, can be integrated into all switch programmes (DIN 49075)
- For all operator systems Comfort 400

Technical details/specifications

| | |
|----------------------|-----------------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Switch voltage | ≤ 250 V AC |
| Switch contact load | max. 3 A |
| Working backup | 1 hour |
| Range of temperature | -5°C to 45°C |
| Protection category | IP 40 |
| Colour | White, RAL 9010 |

Timer LUMINA DUO 50

| Article | Article no. | Price each |
|-------------------------------------|-------------|------------|
| Timer LUMINA DUO 50, recess-mounted | 67 518 | £ 60.00 |

Package

- Timer LUMINA DUO 50

Function/application

- Two 'Up'/'Down' times per day can be programmed
- Two week programs
- Vacation switch (random generator)
- Reset button
- Summer time/winter time change-over
- Potential-free contact
- Chronological, self-learning menu, can be integrated into all switch programmes (DIN 49075)
- Connection possibility for sun and twilight sensor

Technical details/specifications

| | |
|----------------------|-----------------|
| Nominal voltage | 230 V |
| Nominal frequency | 50 Hz |
| Switch voltage | ≤ 250 V AC |
| Switch contact load | max. 6A |
| Working backup | 8 hours |
| Range of temperature | -5°C to +45°C |
| Protection category | IP 40 |
| Colour | White, RAL 9010 |

Accessories

Comfort 400, 400 IF, 400 KU

8.16



Sun / twilight sensor

| Article | Article no. | Price each |
|-----------------------|-------------|------------|
| Sun / twilight sensor | 67 519 | £ 15.00 |

Package

- Sun / twilight sensor

Function/application

- To connect to the timer LUMINA DUO

Technical details/specifications

Measurements cable (L) 1.500 mm



Relay

| Article | Article no. | Price each |
|--------------------------|-------------|------------|
| Control relay R1-U-E-230 | 67 521 | £ 26.00 |
| Control relay R2-U-E-230 | 67 520 | £ 28.00 |

Package

- Control relay

Function/application

- To control at least one tubular motor Comfort 400 by means of the timers DUOMATIC 50 or LUMINA DUO (R1U-E-230)
- To control simultaneously at least two tubular motor Comfort 400 by means of the timers DUOMATIC 50 or LUMINA DUO (R2-U-E-230)
- Self-contained control optional

Technical details/specifications

Measurements (WxHxD) 60 x 60 x 25 mm
Nominal voltage 230 V

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

8.17 Comfort 400, 400 IF, 400 KU



NEW



NEW

Digital 311 „Easywave“

| Article | Article no. | Price each |
|---|-------------|------------|
| Hand transmitter, 1-channel 868 MHz Easywave | 72747 | £ 29.00 |

Package

- Hand transmitter, 1-channel
- 3 V button cell, CR 2032
- Wall support
- Mounting material

Function/application

- Direction impulse 'Open'/'Stop'/'Close'
- To control one tubular motor or a group of operators
- For all operator systems Comfort 400,
in combination with the respective Digital receiver

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxL) | 110 x 38 x 14 mm |
| Weight | Approx. 0,04 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | 1 LED |
| Coding possibilities | > 70 millions |

Digital 314 „Easywave“

| Article | Article no. | Price each |
|---|-------------|------------|
| Hand transmitter, 4-channel 868 MHz Easywave | 72748 | £ 34.00 |

Package

- Hand transmitter, 4-channel
- 3 V button cell, CR 2032
- Wall support
- Mounting material

Function/application

- Direction impulse 'Open'/'Stop'/'Close'
- To control one tubular motor or up to four groups of operators
- For all operator systems Comfort 400,
in combination with the respective Digital receiver

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxL) | 110 x 38 x 14 mm |
| Weight | Approx. 0,04 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | 4 LEDs |
| Coding possibilities | > 70 millions |

Accessories

Comfort 400, 400 IF, 400 KU

8.18



Digital 329 „Easywave“

| Article | Article no. | Price each |
|--|-------------|------------|
| Multi-channel transmitter, 24-channel 868 MHz Easywave | 72 749 | £ 65.00 |

Package

- Multi-channel transmitter
- 2 x 3 V button cell, CR 2032

Function/application

- Direction impulse 'Open'/'Stop'/'Close'
- Four levels (I to IV) with six coded remote control channels each
- For all operator systems Comfort 400,
in combination with the respective Digital receiver

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 150 x 60 x 22 mm |
| Weight | Approx. 0,1 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 54 |
| Range of temperature | -20°C to +60°C |
| Operation control | 4 LEDs |
| Coding possibilities | > 70 millions |



Digital 333 „Easywave“

| Article | Article no. | Price each |
|---|-------------|------------|
| Recess-mounted receiver, 2-channel 868 MHz Easywave | 67 523 | £ 55.00 |

Package

- Recess-mounted receiver, 2-channel

Function/application

- To receive hand transmitter signals
- To control one tubular motor
- To save 32 transmitter codes
- For all operator systems Comfort 400

Technical details/specifications

| | |
|----------------------|-----------------|
| Measurements (WxHxD) | 46 x 46 x 25 mm |
| Weight | Approx. 0,05 kg |
| Nominal voltage | 230 V |
| Power consumption | Approx. 35 mA |
| Protection category | IP 40 |
| Range of temperature | -20°C to +60°C |
| Cabling | Conventional |

Comfort

Digital

Command

Control

Special

Comfort 400

Accessories

8.19 Comfort 400, 400 IF, 400 KU


NEW


Digital 362 „Easywave“

| Article | Article no. | Price each |
|---|-------------|------------|
| Socket receiver 868 MHz Easywave (Plug systems also available for the countries GB, CH, B/F) | 70 126 | £ 47.00 |

Package

- Socket receiver

Function/application

- 'On'/'Off
- To control electric devices inside the house
e.g. lamps, fans etc. (all devices that can be switched on and
off with max. 10/16 A)
- To save 32 transmitter codes

Technical details/specifications

| | |
|----------------------|------------------|
| Measurements (WxHxD) | 50 x 120 x 75 mm |
| Weight | 0,17 kg |
| Nominal voltage | 230 V AC, 50 Hz |
| Power consumption | Approx. 30 mA |
| Protection category | IP 20 |
| Range of temperature | -10°C to + 40°C |

Digital 132 „Easywave“

| Article | Article no. | Price each |
|--|-------------|------------|
| Recess-mounted transmitter, 4-channel 868 MHz Easywave | 67 524 | £ 20.00 |

Package

- Recess-mounted transmitter, 4-channel
- 3 V button cell, CR 2032

Function/application

- Impulse
- For wireless control of tubular motor
- For cabling to standard buttons and/or switches
- For all Marantec operator systems Comfort 400,
in combination with the respective Digital receiver and
external operation buttons / switches

Technical details/specifications

| | |
|----------------------|--------------------------|
| Measurements (WxHxD) | 36 x 30 x 10 mm |
| Weight | 0,05 kg |
| Nominal voltage | 3 V button cell, CR 2032 |
| Protection category | IP 20 |
| Range of temperature | -20°C to +60°C |
| Coding possibilities | > 70 millions |

Accessories

Comfort 400, 400 IF, 400 KU

8.20



Adjustment cable

| Article | Article no. | Price each |
|------------------|-------------|------------|
| Adjustment cable | 67 372 | £ 15.00 |

Package

- Adjustment cable with safety plug

Function/application

- To travel the tubular motor to 'Open' and 'Close' direction
- For all operator systems Comfort 400

Technical details/specifications

Measurements cable (L) 3.000 mm



Adjustment tool

| Article | Article no. | Price each |
|-----------------|-------------|------------|
| Adjustment tool | 67 373 | £ 2.50 |

Package

- Adjustment tool

Function/application

- To set the end positions 'Open' and 'Close'
- For all operator systems Comfort 400

Technical details/specifications

Comfort

Digital

Command

Control

Special

Comfort 400

Terms and Conditions of Sale (Status 1st January 2000)

1. Interpretation

1.1 In these Conditions:

"Buyer" means the person whose order for the Goods is accepted by the Seller. "Goods" means the goods (including any instalment of the goods or any parts for them) which the Seller is to supply in accordance with these conditions. "Seller" means Marantec U.K. Limited (registered in England under number 2700986). "Conditions" means these terms and conditions of sale and includes any special terms and conditions agreed in writing between the Buyer and the Seller. "Contract" means the contract for the purchase and sale of the Goods. "Writing" includes telex, cable, facsimile, transmission and comparable means of communication.

1.2 Any reference in these Conditions to any provision of a statute shall be construed as a reference to that provision amended, re-enacted or extended at the relevant time.

1.3 The headings in these Conditions are for convenience only and shall not affect their interpretation.

2. Basis of Sale

2.1 The Seller shall sell and the Buyer shall purchase the Goods in accordance with any written order of the Buyer which is accepted by the Seller, subject to these Conditions which shall govern the Contract to the exclusion of any other terms and conditions.

2.2 No variation to these Conditions shall be binding unless agreed in Writing between the authorised representatives of the Buyer and the Seller.

2.3 The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Seller in writing. In entering into the Contract the Buyer acknowledges that it does not rely on, and waives any claim for breach of, any such representations which are not so confirmed.

2.4 Any advice or recommendation given by the Seller or its employees or agents as to the storage, application or use of the Goods which is not confirmed in Writing by the Seller is followed or acted upon entirely at the Buyer's own risk, and accordingly the Seller shall not be liable for any such advice or recommendation which is not so confirmed. Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Seller shall be subject to correction without any liability on the part of the Seller.

3. Orders and Specification

3.1 No order submitted by the Buyer shall be deemed to be accepted by the Seller unless and until acceptance is confirmed in Writing by the Seller or the Goods are despatched.

3.2 The Buyer shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) submitted by the Buyer and for giving the Seller any necessary information relating to the Goods within a sufficient time to enable the Seller to perform the Contract in accordance with the terms.

3.3 If the Goods are to be manufactured or any process is to be applied to the Goods by the Seller in accordance with a specification submitted by the Buyer, the Buyer shall indemnify the Seller against all loss, damages, costs and expenses awarded against or incurred by the Seller in connection with or paid or agreed to be paid by the Seller in settlement of any claim for infringement of any patent, copyright, design, trade mark or other industrial or intellectual property rights of any other person which results from the Seller's use of the Buyer's specification. The Seller reserves the right, without prior notice, to make any changes in the specification of the Goods which are required to conform with any applicable safety or other statutory requirements or which do not materially affect their quality or performance.

4. Cancellation

4.1 Prior to delivery of the Goods, no order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement in Writing of the Seller on terms that the Buyer shall indemnify the Seller in full against all loss (including loss of profit), costs (including the cost of all labour and material used), damages, charges and expenses incurred by the Seller as a result of cancellation.

4.2 The provisions of clause 10 apply on delivery of the Goods.

5. Price of Goods

5.1 The price of the Goods shall be the price listed in the Seller's published list current at the date of acceptance of the order or any other written price supplied by the Seller.

5.2 The Seller reserves the right to change its prices at any time without prior notice and such price changes shall apply to any order accepted by the Seller on or after the date such changes take effect;

5.3 In addition, the seller reserves the right, by giving notice to the Buyer at any time before delivery, to increase the price of the Goods to reflect any increase in the cost to the Seller which is due to any factor beyond the control of the Seller (such as, without limitation, any foreign exchange fluctuation, currency regulation, alteration of duties, significant increase in the costs of labour, material or other costs of manufacture), any change in delivery dates, quantities or specifications for the Goods which is requested by the Buyer, or any delay caused by any instructions of the Buyer or failure of the Buyer to give the Seller adequate information or instructions.

5.4 Except as otherwise stated in any price list of the seller and unless otherwise agreed in writing between the Buyer and the seller, all prices are exclusive of the cost of delivery and the Buyer shall be liable to pay the Seller's charges for transport, packaging and, if applicable, insurance.

5.5 Prices are exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the seller.

5.6 The cost of pallets and returnable containers will be charged to the Buyer in addition to the price of the Goods, but full credit will be given to the Buyer provided they are returned undamaged to the Seller before the due payment date.

6. Terms of Payment

6.1 The seller shall be entitled to invoice the Buyer for the price of the Goods and any additional charges on or at any time after the Goods are despatched.

6.2 The Buyer shall pay the price of the Goods within 30 days of the date of the seller's invoice notwithstanding that the delivery may not have taken place. The time of payment of the price shall be of the essence of the contract. Receipts for payments will be issued upon request. If the Buyer fails to make any payment on the due date then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to:

6.2.1 cancel the contract or suspend any further deliveries to the Buyer;

6.2.2 appropriate any payment made by the Buyer to such of the Goods (or the goods supplied under any other contract between the Buyer and Seller) as the Seller may think fit (notwithstanding any purported appropriation by the Buyer), and

6.2.3 charge the Buyer interest (both before and after any judgement) on the amount unpaid, at the rate of 3 per cent per annum above Barclays Bank Plc's base rate from time to time, until payment in full is made.

7. Delivery

7.1 Any dates quoted for delivery of the Goods are approximate only and the Seller shall not be liable for any delay in delivery of the Goods howsoever caused. Time for delivery shall not be of the essence. The Goods may be delivered by the Seller in advance of the quoted delivery date upon giving reasonable notice to the Buyer.

7.2 The seller reserves the right to deliver the Goods in instalments without any price adjustments and each delivery shall constitute a separate contract and failure by the Seller to deliver any one or more of the instalments in accordance with these conditions or any claim by the Buyer in respect to any one or more instalments shall not entitle the Buyer to treat the contract as a whole as repudiated or to withhold payment for the Goods delivered.

7.3 If the seller fails to deliver the Goods for any reason other than any cause beyond the Seller's reasonable control, or the Buyer's fault, and the seller is accordingly liable to the Buyer, the Seller's liability shall be limited to the excess (if any) of the cost to the Buyer (in the cheapest available market) of similar goods to replace those not delivered over the price of the Goods.

7.4 If the Buyer fails to give the Seller adequate delivery instructions at the time stated for delivery (otherwise than by reason of any cause beyond the Buyer's reasonable control or by reason of the seller's fault) then, without prejudice to any other right or remedy available to the Seller, the Seller may:

7.4.1 store the Goods until actual delivery and charge the Buyer for the reasonable costs (including insurance) of storage; or

7.4.2 sell the Goods at the best price readily obtainable and (after deduction all reasonable storage and selling expenses) account to the Buyer for the excess over the price under the contract or charge the Buyer for any shortfall below the price under the Contract.

8. Risk and property

8.1 Risk of damage to or loss of the Goods shall pass to the Buyer on delivery or, if the Buyer wrongfully fails to take delivery of the Goods, the time when the Seller has tendered delivery of the Goods.

8.2 Notwithstanding delivery and the passing of risk in the Goods, or any other provision of these conditions, the property in the Goods shall not pass to the Buyer until the Seller has received in cash or cleared funds payment in full of the price of the Goods and all other sums then due and payable by the Buyer to the Seller.

8.3 Until the property in the Goods passes to the Buyer, the Buyer shall hold the Goods as the Seller's fiduciary agent and bailee, and shall keep the Goods separate from those of the Buyer and third parties and properly stored, protect and insured and identified as the Seller's property. Until that time (or, if earlier, up to the time that an event occurs which causes clause 12 of these Conditions to apply) the Buyer shall be entitled to resell or use the Goods in the ordinary course of its business, but shall account to the Seller for the proceeds of sale or otherwise of the Goods, whether tangible or intangible, including insurance proceeds, and shall keep all such proceeds separate from any moneys or property of the Buyer and third parties and, in the case of tangible proceeds, property stored, protected and insured.

8.4 Until such time as the property in the Goods passes to the Buyer (and provided the Goods are still in existence and have not been resold), the Seller shall be entitled at any time to require the Buyer to deliver up the Goods to the Seller and, if the Buyer fails to do so forthwith, to enter upon any premises of the Buyer where the Goods are stored and repossess the Goods.

8.5 The Buyer shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Buyer does so any of the money owing by the Buyer to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable.

9. Warranties and liability

9.1 Subject to the conditions set out below the Seller warrants that the Goods will correspond with their specification at the time of delivery and free from defects in material and workmanship on delivery and for a period of 24 months from delivery for domestic operators and 12 months from delivery for industrial operators.

9.2 The above warranty is given to the Seller subject to the following conditions:

9.2.1 the Seller shall be under no liability in respect of any defect in the Goods arising from any drawing, design or specification supplied by the Buyer;

9.2.2 the Seller shall be under no liability in respect of any defect arising from fair wear and tear, wilful damage, negligence, abnormal working conditions, failure to follow the Seller's instructions (whether oral or in writing), misuse or alteration or repair of the Goods without the Seller's approval.

9.3 Subject as expressly provided in these Conditions, and except where the Goods are sold under a consumer sale (as defined by the Sale of Goods Act 1979), all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.

9.4 Any claim by the Buyer which is based on any defect in the quality or condition of the Goods or their failure to correspond with specification shall (whether or not delivery is refused by the Buyer) be notified to the Seller on delivery by the Buyer noting details of the claim in writing on the delivery note or (where the defect or failure was not apparent on reasonable inspection) by the Buyer notifying the Seller within a reasonable time after discovery of the defect or failure. If delivery is not refused, and the Buyer does not notify the Seller accordingly, the Buyer shall not be entitled to reject the Goods and the Seller shall have no liability for such defect or failure, and the Buyer shall be bound to pay the price as if the Goods had been delivered in accordance with the Contract.

9.5 Where any valid claim in respect of any of the Goods which is based on any defect in the quality or condition of the Goods or their failure to meet any specification is notified to the Seller in accordance with these conditions, the Seller shall be entitled at its sole discretion to repair or replace the Goods (or the part in question) free of charge, but the Seller shall have no further liability to the Buyer.

9.6 Except in respect of death or personal injury caused by the Seller's negligence, the Seller shall not be liable to the Buyer by reason of any representation, or any implied warranty, condition or other term, or any duty at common law, or under the express terms of the Contract, for any consequential loss or damage (whether for loss of profit or otherwise), costs, expenses or other claims for consequential compensation whatsoever (and whether caused by the negligence of the Seller, its employees or agents or otherwise) which arise out of or in connection with the supply of the Goods or their use or resale by the Buyer, except as expressly provided in these Conditions.

9.7 The Seller shall not be liable to the Buyer or be deemed to be in breach of the Contract by reason of any delay in performing, or any failure to perform, any of the Seller's obligations in relation to the Goods, if the delay or failure was due to any cause beyond the Seller's reasonable control. Without prejudice to the generality of the foregoing, the following shall be regarded as causes beyond the Seller's reasonable control:

9.7.1 Act of God, explosion, flood, tempest, fire or accident

9.7.2 war or threat of war, sabotage, insurrection, civil disturbance or requisition;

9.7.3 acts, restrictions, regulations, bye-law, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority;

9.7.4 import or export regulations or embargoes,

9.7.5 strikes, lock-outs or other industrial actions or trade disputes (whether involving employees of the Seller or of a third party),

9.7.6 difficulties in obtaining raw materials, labour, fuel, parts or machinery.

9.7.7 power failure or breakdown in machinery

10. Returns

10.1 This clause applies on or after delivery of the Goods and is without prejudice to the Buyer's rights set out in clause 9.

10.2 The Buyer shall only be entitled to return the Goods to the Seller within 30 days of the date of delivery and on the terms set out in clause 10.3 and subject to the Buyer indemnifying the Seller in full against all loss, costs, damages, charges and expenses incurred by the Seller as a result of the Goods being returned.

10.3 All goods returned by the Buyer must:

10.3.1 be packed in such a way as to arrive back at the Seller's premises in a saleable condition without the incurring of expense by the Seller

10.3.2 be accompanied by any documentation supplied with the Goods together with details of the name and address of the Buyer.

11. Indemnity

11.1 If any claim is made against the Buyer that the Goods infringe or that their use or resale infringes the patent, copyright, design, trade mark or other industrial or intellectual property rights of any other person, the Seller shall indemnify the Buyer against all loss, damages, costs and expenses awarded against or incurred by the Buyer in connection with the claim, or paid or agreed to be paid by the Buyer in settlement of the claim, provided that:

11.1.1 the Seller is given full control of any proceedings or negotiations in connection with any such claim

11.1.2 the Buyer shall give the Seller all reasonable assistance for the purpose of any such proceedings or negotiations

11.1.3 except pursuant to a final award, the Buyer shall not pay or accept any such claim, or compromise any such proceedings without the consent of the seller (which shall not be unreasonably withheld)

11.1.4 the Buyer shall do nothing which would or might vitiate any policy of insurance or insurance cover which the Buyer may have in relation to such infringement, and this indemnity shall not apply to the extent that the Buyer recovers any sums under any such policy or cover (which the Buyer shall use its best endeavours to do)

11.1.5 the Seller shall be entitled to the benefit of, and the Buyer shall accordingly account to the Seller for, all damages and costs (if any) awarded in favour of the Buyer which are payable by or agreed with the consent of the Buyer (which consent shall not be unreasonably withheld) to be paid by any other party in respect of any such claim; and

11.1.6 without prejudice to any duty of the Buyer at common law, the Seller shall be entitled to require the Buyer to take such steps as the Seller may reasonably require to mitigate or reduce any such loss, damages, costs or expenses for which the Seller is liable to indemnify the Buyer under this clause.

12. Insolvency of Buyer

12.1 This applies if:

12.1.1 the Buyer makes any voluntary arrangement with its creditors or becomes subject to an administration order or (being an individual or firm) becomes bankrupt or (being a company) goes into liquidation (otherwise than for the purpose of amalgamation or reconstruction) or:

12.1.2 an encumbrancer takes possession or a receiver, administrator receiver or administrator is appointed of any of the property or assets of the Buyer: or

12.1.3 the Buyer ceases or threatens to cease to carry on business: or

12.1.4 the Seller reasonably apprehends that any of the events mentioned above is about to occur in relation to the Buyer and notifies the Buyer accordingly.

12.2 If this clause applies then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to cancel the Contract or suspend any further deliveries under the Contract without any liability to the Buyer, and if the Goods have been delivered but not paid for the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary.

13. General

13.1 The Seller is a member or the group of companies whose holding company is OWF Verwaltungen GmbH and accordingly, the Seller may perform any of its obligations or exercise any of its rights hereunder by itself or through any other member of its group, provided that any act of omission of any such other member shall be deemed to be the act or omission of the Seller.

13.2 Any notice required or permitted to be given by either party to the other under these Conditions shall be in Writing addressed to that other party at its registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.

13.3 No waiver by the Seller of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.

13.4 If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of these provisions in question shall not be affected thereby.

13.5 The Contract shall be governed by and construed in accordance with the laws of England and the parties submit to the nonexclusive jurisdiction of the English courts.

Marantec U.K. Limited, Stoughton House, Harborough Road, Oadby, Leicester, LE2 4LP

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