

Electro-mechanical operator

for residential swing-leaf gates with single-leaf max width of 3 m (415) and 4 m (415 L)



- “In-axis” thrust operator.
- Available in versions with a 300 mm (max leaf 3 m) and 400 mm (max leaf 4 m) rod stroke.
- Available in versions with/without a travel limit device.
- Half bodies are coupled with a seal.
- Die-cast aluminium body, entirely double-coat painted for longer life.
- Manual release device with simplified key-protected activation.
- 24 Vdc power supply to travel limit devices (if present) for maximum safety, with facility for controlling travel limit stops and slow-down.
- Horizontal exit for cables to allow near to ground installation (low installation).
- Designed for use with the “Gatecoder” obstacle detection device.

DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 415

| | 415 | 415 LS | 415 L | 415 LLS | 415 | 415 LS | 415 L | 415 LLS |
|---------------------|------------|--------|--------|---------|----------------------------|--------|-----------------|---------|
| Power supply | 230 Vac | | | | 3 m* | | 4 m** | |
| Power | 300 W | | | | S3-30% | S3-35% | S3-30% | S3-35% |
| Current | 1.3 A | | | | ~30 | | ~25 | |
| Thermal protection | 140 °C | | | | -20 °C to +55 °C | | | |
| Capacitor | 8 µF | | | | 7.8 Kg | | 8 Kg | |
| Thrust | 300 daN | | | | 835 x 105 x 148 | | 940 x 105 x 148 | |
| Rod stroke | 300 mm | | 400 mm | | IP 44 | | | |
| Rod extension speed | 1.6 cm/sec | | | | NO | YES | NO | YES |
| | | | | | Travel limit microswitches | | | |

(* Use of the electric lock is recommended over 2.50 m. (** Use of the electric lock is recommended over 3.00 m.

EXAMPLE OF A TYPICAL INSTALLATION



■ (A) Low voltage cabling

- 3 cables 3x0.50
- 1 cable 2x0.50

■ (B) Power cabling (230 V)

- 2 cables 3x1.50+T
- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B.: Cable sections in mm²

| Ref. | Q.ty | Description | Item code | Price (euro) |
|--------------|------|--------------------------------|--------------|--------------|
| ① | 2 | Operator 415 | 104415 | |
| ① | 1 | Control board 452 MPS | 790916 | |
| ④ | 1 | Enclosure mod. E | 720119 | |
| ⑤ | 1 | Receiver board RP 433 SLH | 787824 | |
| | 1 | Transmitter XT2 433 SLH | 787003 | |
| ② | 1 | Flashing lamp FAACLIGHT | 410013 | |
| ⑥ | 1 | Pair of photocells SAFEBEAM | 785165 | |
| | 1 | Key-operated push-button T10 E | 401019001/36 | |
| TOTAL | | | | |

Notes

IMPORTANT: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific “risk analysis” of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

• The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

415

| Model | Use | | Item code | Price (euro) |
|----------|-------------------------------|--------------------------------|-----------|--------------|
| | Single-leaf max. width (m) | Use frequency (cycles/hour) | | |
| 415 | 3.00 | 30 | 104415 | |
| 415 LS | 3.00 | 35 | 104416 | |
| 415 L | 4.00 | 25 | 104417 | |
| 415 L LS | 4.00 | 25 | 104418 | |

The package contains: an electro-mechanical operator, installation accessories, a release key, a thrust capacitor 8 μ F 400 V.

CONTROL UNITS



Control board 452 MPS
Technical specifications page 148

Item code 790916
Price (euro)



Control board 455 D
Technical specifications page 149

Item code 790917
Price (euro)



Control board 462 DF
Technical specifications page 150

Item code 790918
Price (euro)



Enclosure mod. L for control boards

Item code 720118
Price (euro)



Enclosure mod. E for control boards

Item code 720119
Price (euro)



Enclosure mod. LM for control boards

Item code 720309
Price (euro)

SPECIFIC ACCESSORIES



Plate for walling-in

Item code 737604
Price (euro)



Rod housing for mod. 415 and mod. 415 LS
(rod stroke 300 mm)

Item code 727525
Price (euro)



Gatecoder obstacle detection kit
(with reversing function)
Technical specifications page 161

Item code 104485
Price (euro)

Notes

- For anti-crushing safety, use control units 452 MPS, 455 D or 462 DF, equipped with an electronic force control device.
- Control board 455 D or 462 DF must be used to control operators with travel limit devices (Mod. LS).

OTHER ACCESSORIES



Key-operated push-buttons
page 185



Photocells and Columns
page 189



Safety devices
page 191



Flashing lamps
page 193



Transmitters
page 182



Various accessories
page 194