

# 413 - 24 Vdc

for swing gates  
with single-leaf length of 1.8 m (2,5 m with electric lock)



- Operator with **OFF AXIS** thrust
- Built-in mechanical stop for opening and closing
- Available with and without limit switch
- Coupling of the half-bodies by gasket
- Release device-key protected and easy to operate
- Numbered locks 1-36 (optional)
- Opening-closing limit switch (Mod. LS) 24 Vdc power supplied to guarantee the highest security
- Management of the limit switches: stops and deceleration
- Aluminium body completely double coated guaranteeing a higher resistance to atmospheric agents



■ Release device-key protected and easy to operate



■ Horizontal cable exit for installations close to the ground



■ Easy adjustment through access from the top



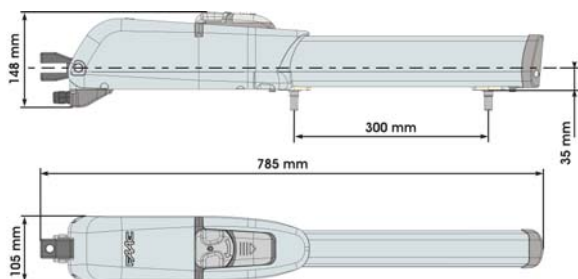
- 1 Aluminium body completely double-layer coated guaranteeing a higher resistance to atmospheric agents
- 2 Coupling of the half-bodies by gasket
- 3 Toroidal transformer
- 4 Emergency batteries (optional)
- 5 424 D LS control board



#### Specifications of 424 D LS control board

Supply voltage of transformer	230 Vac (+6% - 10%) 50 Hz
Supply voltage of control unit	22 Vac (+6% - 10%) 50 (60) Hz
Absorbed power	3 W
Motor max load	2 x 70 W
Accessories max load	24 Vdc 500 mA
Flashing lamp/Courtesy light max. load	24 Vdc 15 W max
Operating ambient temperature	-20°C ÷ +55°C
Protection fuses	4
Function logics	Automatic/Stepped automatic/Semiautomatic/Stepped semiautomatic/Condo type
Thrust force	Four levels adjustable on display
Opening/closing time	Through self-learning during programming
Pause time	Through self-learning during programming
Leaf delay	2 levels
Deceleration	Opening/closing
Enclosure dimensions	305x225x125 mm
Protection class	IP 55

#### DIMENSIONS



Values in mm

**Terminal board inputs** - Power supply 24 Vac/Battery supply/Encoder/Total opening/Pedestrian opening/Opening-closing safety devices/Stop/Opening-closing limit-switch

**Terminal board outputs** - 24 Vdc power supply to accessories/24 Vdc motors/24 Vdc courtesy light-flashing lamp/12 Vdc/Vac Electric lock

**Rapid connector** - Card receivers/Decoding cards

Model	Use			Control board
	Single leaf max length (m)	No. of leaves	Use frequency (cycles/hour)	
413 - 24 Vdc	1.80 (2,5 m with electric lock)	1	Continuous duty	Not Included
413 LS - 24 Vdc	1.80 (2,5 m with electric lock)	1	Continuous duty	Not Included

Technical specifications	413-24 Vdc	413 LS-24 Vdc
Power supply		24 Vdc
Absorbed power		70 W
Absorbed current		3 A
Thermal protection		-
Starting capacitor		-
Thrust force		250 daN
Piston rod length	300 mm (350 mm without mechanical stops)	
Rod extension speed		1,6 cm/sec
Single leaf max length*		2,5 m
Type and use frequency at 20° C		100%
Minimum cycles/hour at 20° C		~ 75
Operating ambient temperature		-20° C ÷ +55° C
Operator weight		6,5 Kg
Dimensions		785 x 105 x 148
Protection class		IP 44
Limit switches	NO	YES
Opening and closing mechanical stops		YES

\*For leaves exceeding the length of 1,8 m (each leaf) an electric lock is necessary