

# 415 - 24 Vdc



# FAAC

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



- Operator with IN AXIS thrust
- Available with rod stroke 300 mm (leaf max 3 m) and 400 mm (leaf max 4 m)
- 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



■ Release device-key protected and easy to operate



■ Horizontal cable exit for installations close to the ground



■ High precision micrometric limit switches, frontal adjustment

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- High precision micrometric limit switches, frontal adjustment
- Rod protective housing (optional for the models 300 mm)

## SPECIFICATIONS

Non-reversing electro-mechanical low voltage screw actuator for swing-leaf gates with "IN -AXIS" thrust • Maximum leaf length 3 m (415 24 Vdc- 415 LS 24 Vdc) and 4 m (415 L 24 Vdc - 415 L LS 24 Vdc) • Max use type and frequency at 20° C 100% • Pillar installation • Leaf opening inwards or outwards • Max opening angle 110° • Max traction/thrust force of 280 daN • Rod speed 1.6 cm/s • Rod effective stroke 300 mm (415 24 Vdc- 415 LS 24 Vdc) and 400 mm (415 L 24 Vdc - 415 L LS 24 Vdc) • Power supply 24 Vdc • Absorbed power 70 W • Overall dimensions (Length x Width x Height) 835x105x148 mm (415 24 Vdc- 415 LS 24 Vdc) 940x105x148 mm (415 L 24 Vdc - 415 L LS 24 Vdc) • Protection class IP44 • Operating ambient temperature -20°C ÷ +55°C • Release device key "protected" • Aluminium body completely double coated.

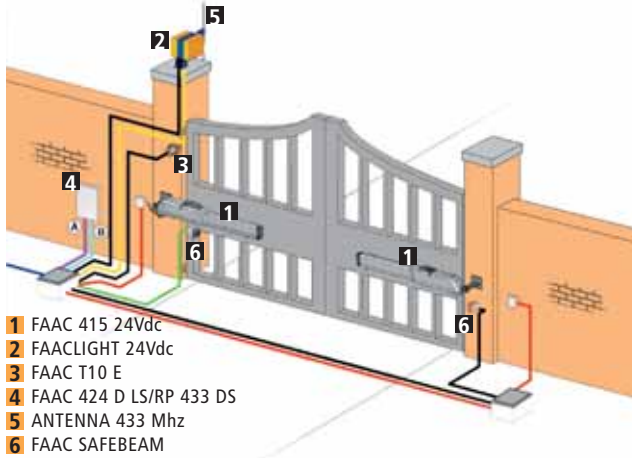
# 415 - 24 Vdc



- 1 Toroidal transformer
- 2 Emergency batteries (optional)
- 3 424 D LS control board

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## INSTALLATION LAYOUT



- 1 FAAC 415 24Vdc
- 2 FAACLIGHT 24Vdc
- 3 FAAC T10 E
- 4 FAAC 424 D LS/RP 433 DS
- 5 ANTENNA 433 Mhz
- 6 FAAC SAFEBEAM

Low voltage cabling	Power cabling (230V)
(A) { <ul style="list-style-type: none"> <li>3 cables 3x0,5</li> <li>1 cable 2x0,5</li> </ul>	(B) { <ul style="list-style-type: none"> <li>2 cables 3x1,5+T</li> <li>1 cable 2x1,5+T</li> <li>1 cable 2x1,5</li> </ul>

N.B: Cable diameters in mm<sup>2</sup>

## 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

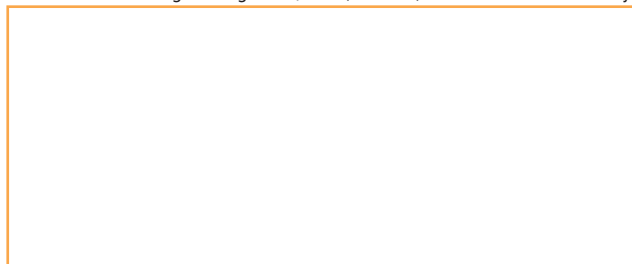
**Terminal board inputs** - Power supply 24 Vac/Battery supply/Encoder/Total opening/ Pedestrian opening/Opening-closing safety devices/Stop/Opening-closing limit-switch  
**Terminal board outputs** - 24 Vdc power supply to accessories/24 Vdc motors/24 Vdc courtesy light-flashing lamp/12 Vdc/Vac Electric lock  
**Rapid connector** - Card receivers/Decoding cards

Model	Use			Control board
	Single leaf max length (m)	No. of leaves	Use frequency (cycles/hour)	
415 - 24 Vdc	3,00	1	Continuous duty	Not Included
415 LS - 24 Vdc	3,00	1	Continuous duty	Not Included
415 L - 24 Vdc	4,00	1	Continuous duty	Not Included
415 L LS - 24 Vdc	4,00	1	Continuous duty	Not Included

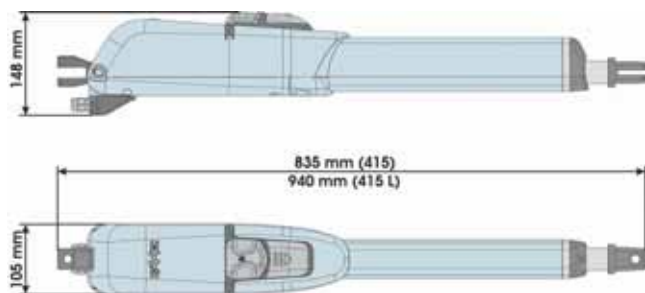
Technical specifications	415 - 24 Vdc	415 LS - 24 Vdc	415 L - 24 Vdc	415 L LS - 24 Vdc
Power supply	24 Vdc			
Absorbed power	70 W			
Absorbed current	3 A			
Thermal protection	-			
Starting capacitor	-			
Thrust force	280 daN			
Piston rod length	300 mm			400 mm
Rod extension speed	1,6 cm/sec			
Single leaf max length	3 m*			4 m**
Type and use frequency at 20° C			100%	
Minimum cycles/hour at 20°C	~ 100			~ 75
Operating ambient temperature	-20° C ÷ +55° C			
Operator weight	7,8 Kg			8 Kg
Dimensions (LxWxD) in mm	835 x 105 x 148			940 x 105 x 148
Protection class	IP 44			
Limit switches	NO	YES	NO	YES

\* For leaves exceeding the length of 2,50 m (each leaf) an electric lock is necessary

\*\*For leaves exceeding the length of 3 m (each leaf) an electric lock is necessary



## DIMENSIONS



Values in mm



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