



# JOINT

The ideal for gates with larger gate posts

Quick and easy manual release

Anti-shearing lever arms:  
allow to open gate leaves even when the  
operators are not in the fulcrum

Adjustable limit switches

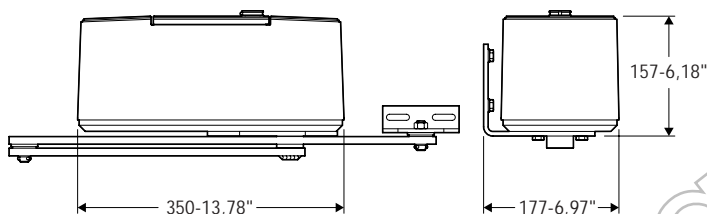


Gate automation systems  
and automatic doors



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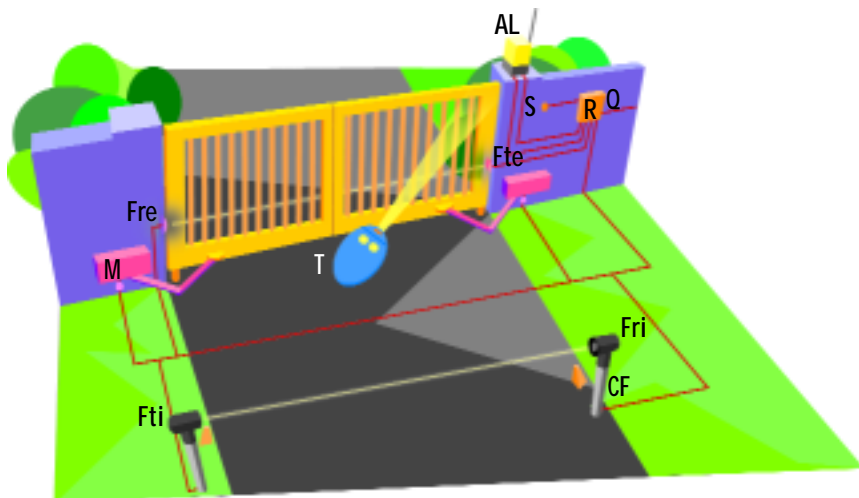


JOINT: provides an indispensable automation system for swing gates installed on particularly large pillars. The drive arm with its special anti-shearing shape allows the leaves to be moved when the controller is positioned well away from their fulcrum. The irreversible electromechanical reduction gear keeps the gate locked in the closing and opening positions. The emergency manoeuvre is carried out by operating the release lever of each controller, located inside the hatch which is provided with a personalised key. Joint must be combined with a control unit with a torque limiter such as the Aries model control unit. The adjustable limit microswitches and capacitor are connected to the motor.

## Recommended installation

M JOINT operator  
Q ARIES control board  
R INTRIC1 receiver  
T TRC transmitter

Ftx-Frx FL130 photocells  
CF CF130 photocells posts  
AL SL 433 LAMPO PA antenna and blinker  
S INTRO key selector



SIBOX: empty box for external release or push buttons dimensions 7,7in x 4,8in x 3,6in (197,5 x 122 x 92 mm)

MOX: external release

## Technical features

Operator	JOINT
Voltage	120V ± 10% 60Hz (*)
Power	300 W
Absorption	1.7 A
Thermal protection	266°F, self-resetting (130°C)
Lubrication	permanent grease
Reduction ratio	1:812
Opening time 90°	15 seconds
Max leaf weight	441 lb/8.20 ft - 552 lb/6.56 ft (200kg/2.5mt 250kg/2mt)
Max leaf length	8,2 ft (2.5 mt)
Impact reaction	electric clutch (4 motor torque positions)
Drive lever arm	
Control unit	ARIES model
Manual manoeuvre door	with personalised key
Number of manoeuvres	100/24h (12-15 consecutive manoeuvres)
Working temperature	5° +140°F (-15° +60° C)
Protection	NEMA 1 (IP 44)
Controller weight	35 lb (16kg)

(\*) Special control board supply voltages on request

## Control panel

The adjustment of the pushing force of JOINT is made by mean of the Aries control unit which features electric torque setting. This control unit also provides leaf closing delay setting for a correct movement sequence. The Aries control unit is also available with pedestrian access.



## ARIES: technical features

Power supply:	120 V ± 10% 60 Hz
Absorption on empty:	0.5 A max
Output power for accessories:	24 Vac 6 VA max
Max relay current:	8 A
Max power of motors:	0.15 HP x 2
Torque limiter:	transformer with 4 pos
Limit switch:	Adjustable run time
Cabinet protection:	NEMA 3 (IP 54)
Working temperature:	-4° +130°F (-20°C +55°C)