

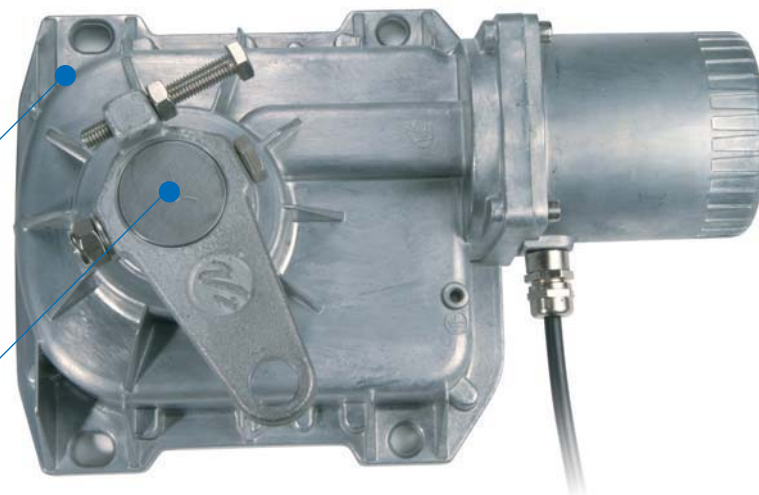


## Vulcan

230V and 120V irreversible electromechanical motor reducer for swing gates. Underground installation

The special through holes on the anchoring base allow Vulcan motor reducers to be installed inside numerous existing models of foundation box

Sealed motor reducer, made entirely of aluminium



Galvanised steel or stainless steel self-supporting foundation box



The aluminium casting and the special impregnating treatment of the motor cover ensure that the internal electrical components are completely isolated from moisture to a level of IP67

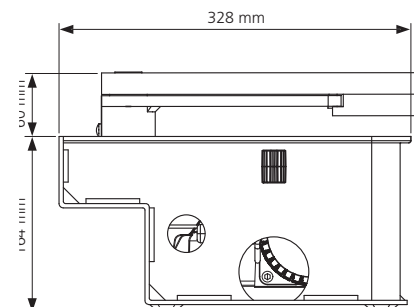
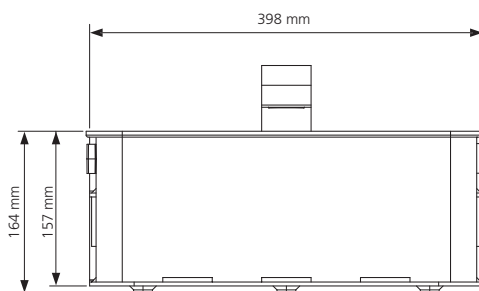
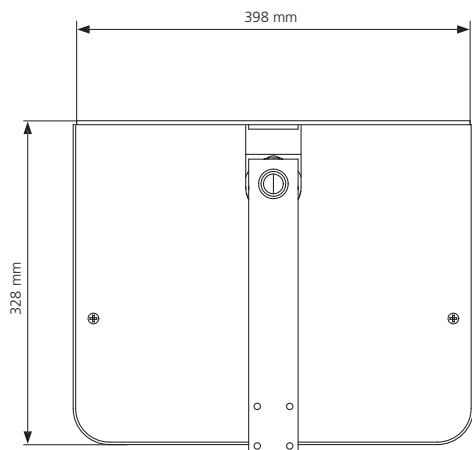
Adjustable opening and closing mechanical limit switches

The irreversible nature of the motor reducer ensures the gate is fixed shut, thus avoiding the use of electrolocks (obligatory only for leaves exceeding 2,5 m)

In the absence of power, the gate can be operated manually by simply rotating a release lever

Standard maximum opening angle of 110°, or 360° (optional)

## Dimensions



# Swing Gates

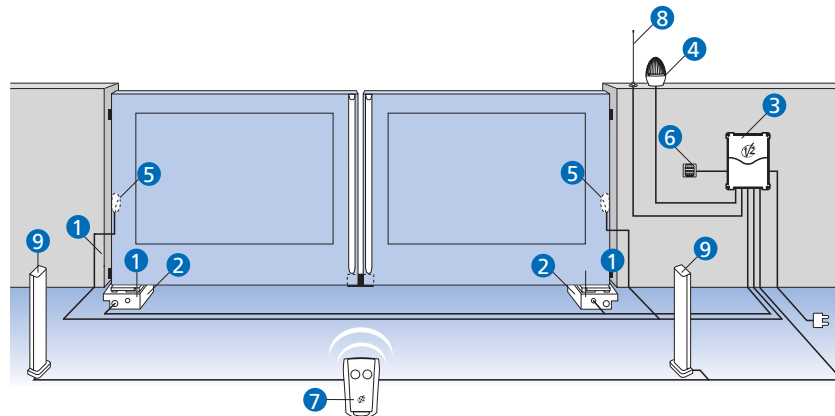


## Technical features

Vulcan models	Vulcan 230V (22F003)	Vulcan 120V (22F004)
Power supply	230 V - 50 Hz	120 V - 60 Hz
Maximum power	300 W	300 W
Idling current	1,5 A	3 A
Maximum current	2,4 A	4,8 A
Capacitor	14 µF	35 µF
Maximum torque	320 Nm	320 Nm
Working cycle	30 %	30 %
Opening time (without slowing down)	15 s	14 s
Thermoprotection	150 °C	150 °C
Protection	IP 67	IP 67
Motor weight	11 Kg	11 Kg
Working temperature	-20 / +50 °C	-20 / +50 °C

Operating limits	
Leaf length (m)	Weight (Kg)
3,5	400
2,5	600
2	800

## Guide to residential installation



The installation of safety edges on fixed parts or moving leaves is essential in cases where a comprehensive risk analysis of motorised doors requires it

### Equipment for standard installation

1	VULCAN 230V motor reducer	(cable 4 x 1 mm <sup>2</sup> )
2	Galvanised steel foundation box Lever unit for opening up to 110° (including release lever)	
3	CITY 7 or CITY1 standard control unit	(cable 3 x 1,5 mm <sup>2</sup> )
4	Flashing light	(cable 2 x 1,5 mm <sup>2</sup> )
9	5	Pair of photocell detectors (RX : cable 4 x 1 mm <sup>2</sup> ) (TX : cable 2 x 1 mm <sup>2</sup> )
6	Key switch Plug-in radio card	(cable 2 x 1 mm <sup>2</sup> )
7	PHOENIX dual channel transmitter	
8	Tuned antenna	(cable RG-58)



## City7

Centrale di comando analogica per cancelli a battente (singola e doppia anta)

Analogue control unit for swing gates (single and double leaf)



- Regolazioni e programmazione tramite trimmer e dip switch
- Alimentazione per 2 motori monofase 120V o 230V
- Connettore ad innesto per ricevitore radio modulare
- Gestione di Start, Start pedonale e Stop da trasmettitore
- Uscita per lampeggiante 120V o 230V (utilizzare lampeggianti con intermittenza)
- Uscita per luce di cortesia (gestibile anche da trasmettitore)
- Rallentamento delle ante nella zona di fine corsa per impedire chiusure rumorose e rimbalzi
- Monitoraggio dello stato ingressi visualizzato tramite led
- *Adjustment and programming by trimmer and dip-switch*
- *120V or 230V power supply for 2 single-phase motors*
- *Plug-in adaptor for modular radio receiver*
- *Start, pedestrian Start and Stop from transmitter controls*
- *120V or 230V flashing light output (use flashing lights with intermittence)*
- *Courtesy light output (also controllable by transmitter)*
- *Leaf slow-down function in limit switch area to prevent noisy closures and rebounds*
- *Monitoring of input status shown by LEDs*

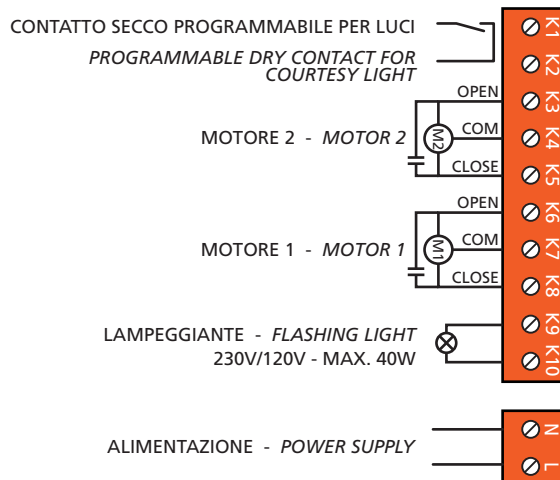
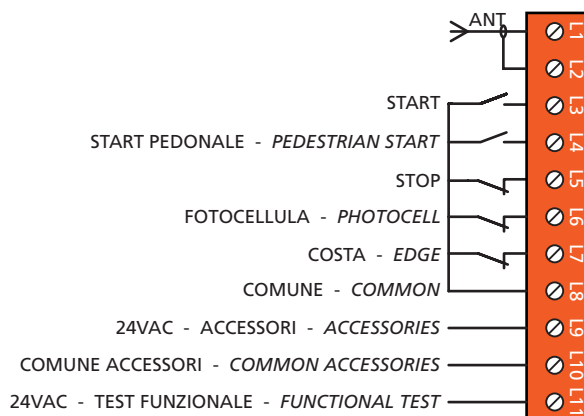
### Ricevitori modulari • Modular receivers

#### MR1



Moduli ricevitori supereterodina con memoria codici integrata (per i modelli vedi pag. 87)

Superheterodyne receiver modules with integrated code memory (see page 87 for the models)



Modello - Model	Codice - Code
CITY7	12G024
CITY7-120V	12G025

	CITY7	CITY7-120V
Alimentazione Power supply	230Vac 50Hz	120Vac 60Hz
Carico max motori Max motor load	700W	700W
Carico max accessori 24V Max accessory load 24V	3W	3W
Temperatura di lavoro Working temperature	-20 ÷ +60°C	-20 ÷ +60°C
Fusibile di protezione Protection fuse	F1 = 5A	F1 = 8A
Dimensioni - Dimensions	170 x 185 x 70 mm	
Peso - Weight	800 g	
Grado di protezione Protection degree	IP55	