

ORO

Hydraulic operator for swing gates, leaf length up to 2,5 m,
weight up to 200 kg, residential use

For gates with max leaf weight up to 180kg
and lenght up to 1,8 m (ORO)
and with max leaf weight up to 200kg
and lenght up to 2,5 m (ORO E)

Version available with or without
hydraulic lock on closing

Two by-pass valves ensure maximum
anti-squash safety

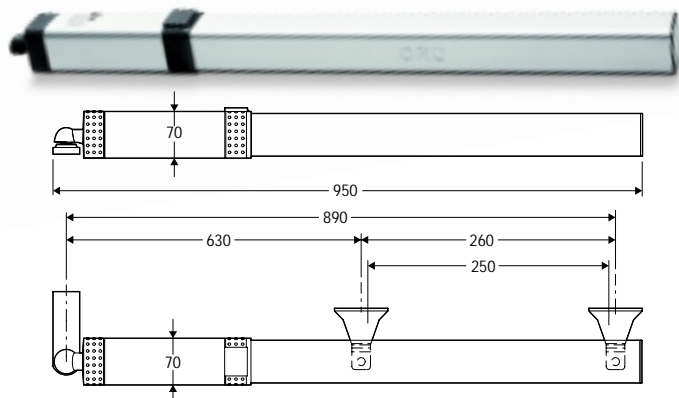
Hydraulic clutch

Timed limiting device controlled from
the control panel



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- Ideal for residential gates: ORO, the hydraulic operator for swing leaves, is available in two versions, irreversible on closing (ORO) and reversible (ORO E).
- Compact shape and maximum piston sturdiness.
- Antisquash safety thanks to two adjustable by-pass valves.
- Simple and practical manual opening with actuator release, by means of a key (ORO) or electric lock release (ORO E).
- Hydraulic lock to guarantee that the gate is held closed (ORO).

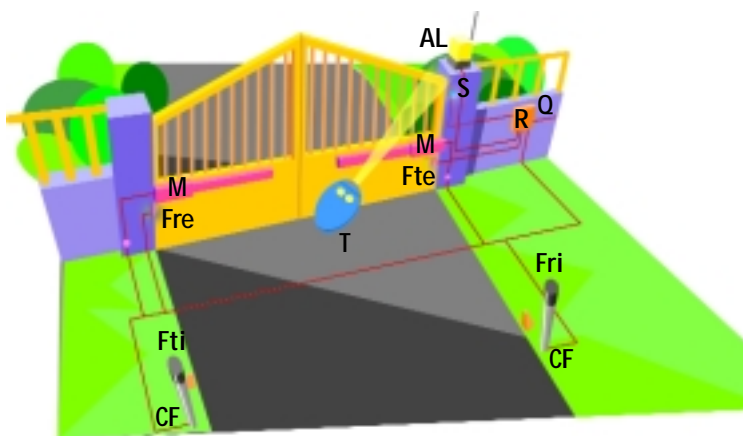
Technical features

Operators	ORO	ORO E
Single-phase power supply	230V ± 10%, 50 Hz	230V ± 10%, 50 Hz
Absorbed power	240W	240 W
Thermal protection	integrated	integrated
Max. leaf weight	1800N (~180kg)	2000 N (~200 kg)
Leaf length	1,80 m	2,50 m
Rod working stroke	250 mm	250 mm
Rod speed	12 mm/s	8 mm/s
Opening or closing time	20 sec	27 sec
Impact reaction	hydraulic clutch	hydraulic clutch
Type of lock	hydraulic on closing	electric lock
Manual manoeuvre	release key	reversible
N° manoeuvres in 24 hours	60	60
Environmental conditions	from -10°C to +60°C	from -10°C to +60°C
Degree of protection	IP55	IP 55
Operator weight	53N (-5,3 kg)	53N (-5,3 kg)
Dimensions	see drawing	see drawing

Example of installation

M hydraulic operator with lock ORO
 Q control panel ALCOR SD
 R single-channel rolling-code receiver, clonix
 T double-channel rolling-code transmitter,
 MITTO 2

Ftx-Frx Pair of photocells, CELLULA130
 CF Pair of posts, CC130
 AL blinker LAMPO PA with antenna SL433
 S key selector, INTRO



Accessories



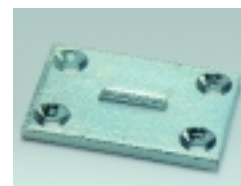
EBP
230Vac electric lock with null resistance at the stop.



EBP 24
24Vac electric lock with 230/24V transformer to be inserted in the control unit panel.



EBP 52 - EBP 75
230Vac electric lock with null resistance at the stop, with external release for max 50 mm (EBPE 52) and 75 mm (EBPE 75) thick doors and gates



PLE
Anchor plate used to weld attachments to pillars



CLS
Release key



ALCOR SD
Control panel suitable for managing one or two single-phase operators with power up to 2x250 W, provided with torque setting. 4-step logic with automatic and semi-automatic operation. Programmable delay on closing for 2nd motor. A series of LEDs allows easy intervention in system checking. Universal connection for radio receiver. Removable type terminal bar to facilitate installation and any maintenance or replacement.

For system composition and installation refer to the regulations in force in the country where the system is being installed. The indicated data are not binding. BFT reserves the right to make modifications without prior notice.