

# 12 VOLT

## GATE OPERATOR R18 BENC

For gate leaves up to 1,8 m  
Opening time from 9 to 13 sec.

### 650R18BENC

DC electromechanical gate operator with encoder. Maximum gate leaf 1,8 m (foundation box to be ordered separately) with **cable l=2,3 m**.

### 650R18BENCL

DC electromechanical gate operator with encoder. Maximum gate leaf 1,8 m (foundation box to be ordered separately) with **cable l=5 m**.

### 650R18BENCVEL

DC fast electromechanical gate operator with encoder. Maximum gate leaf 1,2 m / 200 kg (foundation box to be ordered separately) with **cable l=2,3 m**.

#### Features:

- residential use
- for gates leaves up to 1,8 m
- low voltage DC gate operator
- optical encoder technology
- electromechanical motor

#### Pros:

- compact size
- virtually invisible, does not affect the design of the gate
- opening up to 360° with no additional accessories
- obstacle detection and crush prevention
- in accordance with EN 12445-12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- self-adjusting gate stroke through optical encoder



#### Watertight

The new watertight collar diverts rain water ensuring a complete and lasting protection.



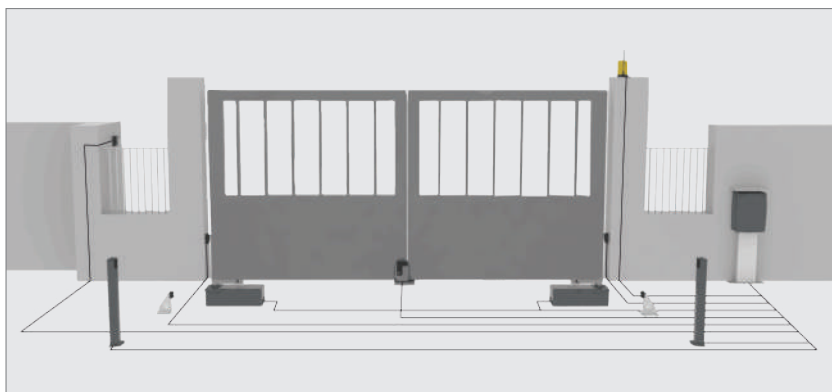
#### Opening up to 360°

The compact R18 gate operator is ideal where space is an issue



#### Technical features

	R18BENC/L	R18BENCVEL
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	18 V DC
Open circuit voltage	0,7 A	0,8 A
Power rating	120 W	120 W
Opening time 90°	13 sec.	9 sec.
Duty cycle	100 %	100 %
Max. torque	192 Nm	180 Nm
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	-
Degree of protection	IP 67	IP 67



The above represented installation does not include safety devices such as safety edges. Their addition depends upon the risk assessment made on any installation in accordance with EN 12445-12453 standards.



MADE IN ITALY

**EN**  
12445  
12453  
COMPLIANT



## INSIDEKIT04A

Complete underground automation kit for gates up to 1,8 + 1,8 m, with two 650R18BENC gate operators (1 with cable l=2,3 m + 1 with cable l=5 m)

### Accessories included in the kit (foundation boxes to be ordered separately):



900OPTIC



750D749MA



300T-KEY  
aluminium +  
LED TSL



250ANTD



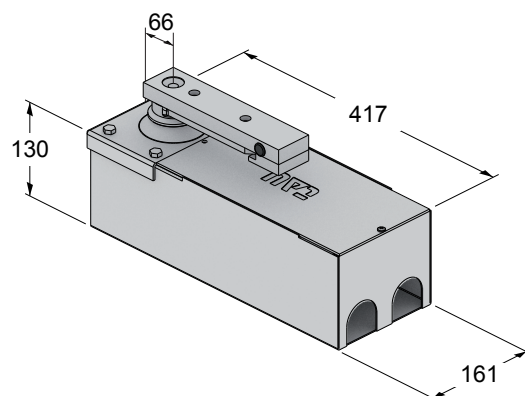
900LAMP4



250K-SLIMRP



C-CRT



### Accessories



700CFR18CT  
Cataphoresis steel  
foundation box **with  
release system**



750D749MA  
Electronic control unit for one or two  
DC gate operators with encoder,  
complete with 433,92 Mhz rolling  
code radio receiver, battery charger,  
transformer and enclosure



700CFR18X  
Stainless steel foundation  
box **with release system**



200BATT  
12 Volt Battery, 7,2 Ah  
with cable



700BRC18  
R18 Retrofit adapter arm



M-030KITKB20  
Battery cables kit (20 pcs)



650KITFCR18 **NEW**  
Mechanical closing limit  
switch for all R18 operators.



M-030000CC50  
Multicore cable (2 x 2.5  
sq.mm + 3 x 0.5 sq.mm)



700GS5  
Weatherproof cable  
connector for 5-core 12 V  
cable



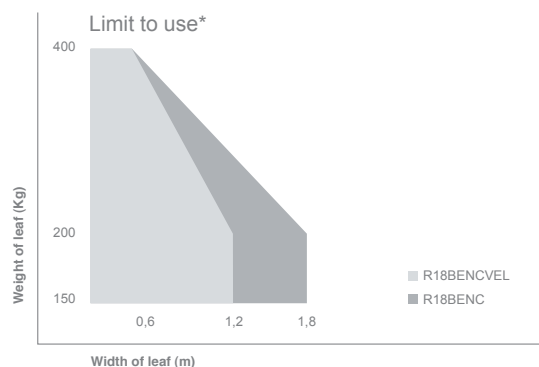
250SM126  
Memory card for 126 radio  
codes



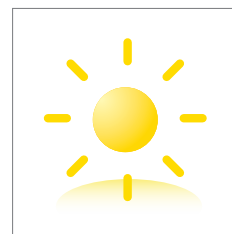
650ESV1-2  
Electric lock (1 = left hand  
opening – 2 = right hand  
opening)



250SM254  
Memory card for 254 radio  
codes



\*They refer to leaves with openings and not totally closed panels.



**Solar power**  
Thanks to the Photovoltaic (PV) Technology, every low voltage DC gate operator can be solar powered. Discover the advantages of the solar energy at page 140



**Further accessories:**  
Transmitters page 120  
Photocells page 120  
Flashing lights page 129

Use only M-030000CC50 cable or equivalent