



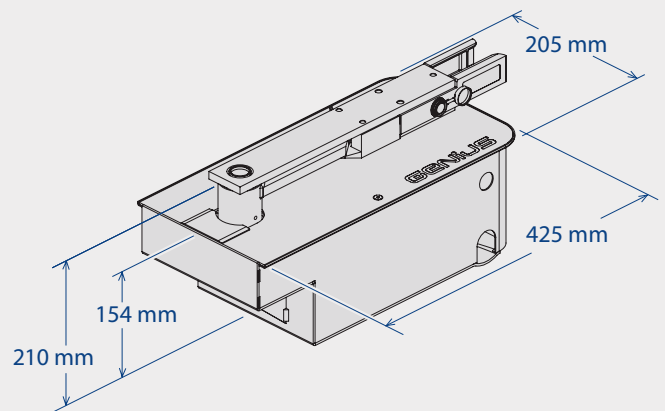
Patented lever-operated manual release system which enables manual operation both from the inside and from the outside of the property (supplied with the box)

Underground motor for swing gates

- Fully hidden and extremely compact non-reversible gearmotor.
- Single version for openings up to 180°, as standard.
- Designed to operate leaves with max. weight of 250 kg and up to 2.5 width.
- Absolute encoder (optional) which detects leaf position and ensures maximum anti-crushing safety.
- Virtual patented Encoder system via BUS G-WAY bus (with Brain 15 control board).
- Adjustable mechanical stops (optional).

Code	Name	Version	Voltage	Leaf max. length	Use
6170082	Diablo	Non-reversible	24V	2.5 m.	Residential

OPERATOR DIMENSIONS



Technical Specifications	Diablo
Power supply (V)	230
Electric motor (V)	24
Nominal power (W)	140
Max. torque (Nm)	200
Rated torque (Nm)	130
Angular speed (°/sec)	6
Frequency of use at 20 °C	continuous
Operating ambient temperature (°C)	-20 +55
Protection class	IP67
Weight (kg)	6.5

CONTROL BOARDS

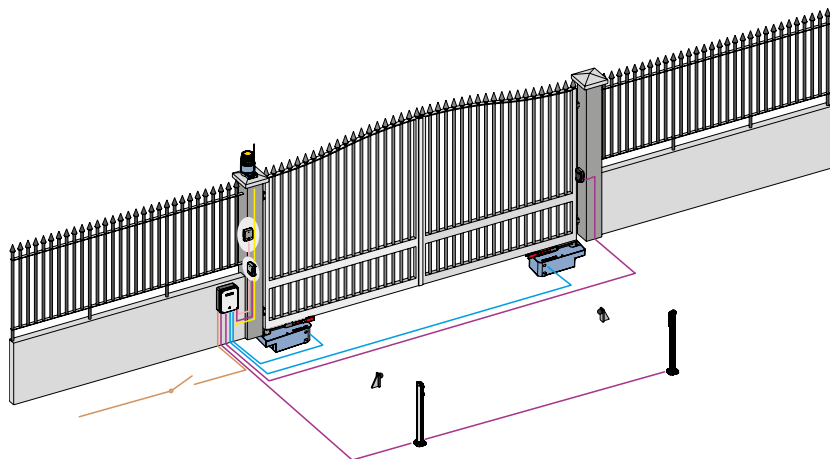
Brain 15

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N.B.

Over 1.8 m, an electric lock is essential to ensure leaf blocking.

ELECTRIC WIRING DIAGRAM



- Line3x1,5 mm²
- Motor*2x2,5 mm²
- Flashing lamp2x1,5 mm²
- Selector2x0,5 mm²
- BUS connection2x0,5 mm²

* For 24Vdc motors, use 2x2.5 mm² cables - max. distance between motor and control unit 10 m

TYPICAL INSTALLATION EXAMPLE

Q.ty	Material description	Part number
2	DIABLO Motors	6170082
1	Electronic Control Board BRAIN 15	6100263
2	DIABLO bearing boxes with 180° release system	6100319
1	RQFZ 868 MHz Frequency Module	6100146
1	Four-Channel Transmitter KILO TX2 JLC	6100332
1	24V GUARD Flashing Lamp	6100054
1	Pair of VEGA BUS Photocells	6100148
1	QUICK 1 key-operated selector for outdoor use	JA31101-15

Material to add in order to get the configuration as per Wiring Diagram

Q.ty	Material description	Part number
1	Pair of VEGA BUS Photocells	6100148
2	Column for photocell	6100149
2	Foundation plate for column	6100150

ACCESSORIES



DIABLO FOUNDATION BOX WITH RELEASE SYSTEM

Max. opening angle up to 180°.

Code **6100319**



MECHANICAL STOP KIT
In order to avoid the use of on-ground mechanical stops.

Code **6100320**



ABSOLUTE ENCODER KIT
Consisting of Encoder and relevant support to constantly detect the position of the leaf.

Code **6100321**



BATTERY KIT
With recharging board.

Code **6100144**