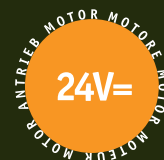


# PHOBOS BT L



Electromechanical low voltage operator for swing gates, leaf length up to 5 m, leaf weight up to 250 kg, residential use



Irreversible operator, does not require an electric lock

Safe and simplified release manoeuvre

Operation in case of power supply failure is guaranteed by a battery back up unit which can be supplied on request

Slowdown during opening and closing

Electromechanical limit switches adjust the door opening and closing movements.



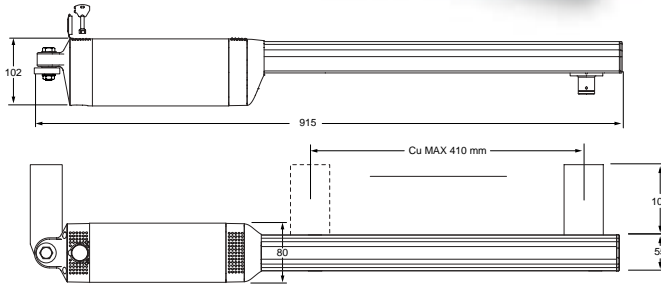
Gate automation systems  
and automatic doors



# PHOBOS BT L



Electromechanical low voltage operator for swing gates, leaf length up to 5 m, leaf weight up to 250 kg, residential use



- The low voltage safety and the new design of PHOBOS BT L make of it the ideal irreversible gearmotor for residential swing gates.
- Electromechanical limit switches adjust the door opening and closing movements.
- Maximum anti-squash safety guaranteed by a special electronic device, adjustable for each motor, and inverts the direction in case of obstacles in opening and closing.
- Operation in case of power supply failure is guaranteed by a battery back up unit (BT BAT) which can be supplied on request.
- Slowdown may be set at 3 different speeds during both opening and closing (from the control panel).
- Adjustable fixture brackets - Model SFR (optional).

## Technical features

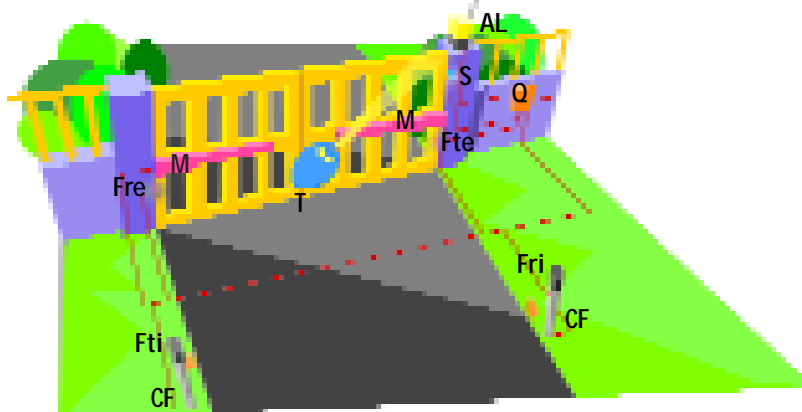
Operator	PHOBOS BT L
Power supply	24 Vdc
Absorbed power	40 W
Max. leaf weight	2500 N (~250 kg)
Max. leaf length	5 m (with electric lock), 3 m (without electric lock)*
Rod working stroke	410 mm
Rod speed	15 mm/s
Impact reaction	torque limiter on control panel
Manual manoeuvre	Release key CLS
No. manoeuvres in 24 hours	60
Environmental conditions	from -10°C to + 50°C
Degree of protection	IP X4
Operator weight	65N (~6,5 kg)
Dimensions	see figure

\*If you wish to install the 24 VAC-powered automatic gate lock, the ME BT optional accessory must be installed.

## Example of installation

M irreversible electromechanical operator  
PHOBOS BT L  
Q control board LIBRA MA R, with built-in rolling code receiver  
T double-channel rolling code transmitter  
MITTO2

Ftx-Frx pair of photocells, Cellula130,  
CF pair of posts, CC 130,  
AL blinker LAMPO PA 24V, with antenna SL433  
S key selector INTRO



## Accessories



MITTO 2 / MITTO 4: double-channel and four-channel transmitter with Rolling-Code coding.



LAMPO PA 24V, SL433: blinker supplied with 24Vac and preset for antenna with 4-m cable (SL433 mod.).



CELLULA130: flat, self-aligning photocell receiver-transmitter set, external installation, range up to 30 m, power supply 24Vac.



CC130: pair of aluminium posts for CELLULA 130 photocells.



INTRO: outdoor key command. Recessed and post-mounted version.



SFR: adjustable fixing bracket.



LIBRA MA R  
Control panel suitable for managing one or two low-voltage electromechanical operators with power up to 40+40 W. 3 and 4-step logic with automatic and semi-automatic operation. Electronic limiting of motor torque. Rapid closing function. Input for pedestrian opening. Programmable delay for 2nd motor, both on opening and closing. Works in hold-to-run mode. Slowdown may be set at 3 different speeds during both opening and closing. Compatible with the EELINK protocol. Digital setting of parameters and logics. Displaying of values set by means of integrated multilingual display. Autoset menu for automatic detection of minimum torque needed. In conformity with the EN12453 and EN12445 standards, LIBRA MA R is provided with checking function for board and safety device operation. Management of statistical parameters. Can operate with the power supply off, thanks to the BT BAT accessory device (optional). CLONIX 433.92 MHz radio receiver, rolling code with 63 codes, incorporated in the control panel, Remote controls can be memorised via radio. 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.