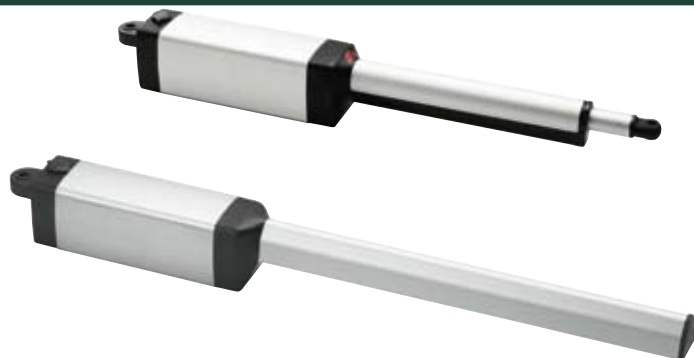


PHOBOS SERIES

ELECTROMECHANICAL OPERATOR FOR SWING GATES



Opens the future



UL 325
COMPLIANT



• SMART TECHNOLOGY.

→ Control unit compatible with the EElink protocol.

• SAFE USE.

→ This version powered at 24V has been specially designed for simpler and faster installation in compliance with latest safety standards.

→ Thanks to the obstruction sensing device, the operator reverses motion and prevents damage to people and vehicles in the event of contact.

• SIMPLER INSTALLATION.

→ BFT's system of coded limit switches makes it possible to reduce the complexity of wiring the low-voltage motors: a single wire is carried to the control panel instead of the three or five normally required, thereby increasing the simplicity and speed of installation. Furthermore, the system is able to automatically distinguish between the open limit switch and the closed one and hence prevent wasted time and wiring errors.

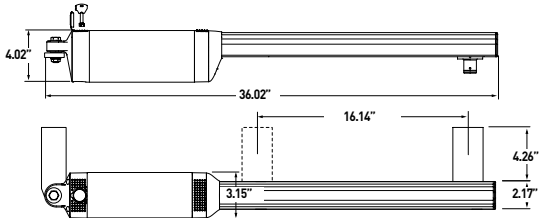
REFERENCE	DESCRIPTION	VOLTAGE	LEAF WEIGHT	LEAF LENGTH
P935069 00001	PHOBOS BT UL/CSA	24 V	up to 550 lb (~250 kg)	up to 10' (3 m)
R935246 00002	PHOBOS BT KIT 1 OPERATOR UL/CSA	24 V	up to 550 lb (~250 kg)	up to 10' (3 m)
R935246 00003	PHOBOS BT KIT 2 OPERATOR UL/CSA	24 V	up to 550 lb (~250 kg)	up to 10' (3 m)
P935074 00002	PHOBOS BT L	24 V	up to 550 lb (~250 kg)	up to 16'5" (5 m) with electric lock 10' (3 m) without electric lock
R935245 00001	PHOBOS BT L KIT 1 OPERATOR	24 V	up to 550 lb (~250 kg)	up to 16'5" (5 m) with electric lock 10' (3 m) without electric lock
R935245 00002	PHOBOS BT L KIT 2 OPERATORS	24 V	up to 550 lb (~250 kg)	up to 16'5" (5 m) with electric lock 10' (3 m) without electric lock

TECHNICAL FEATURES

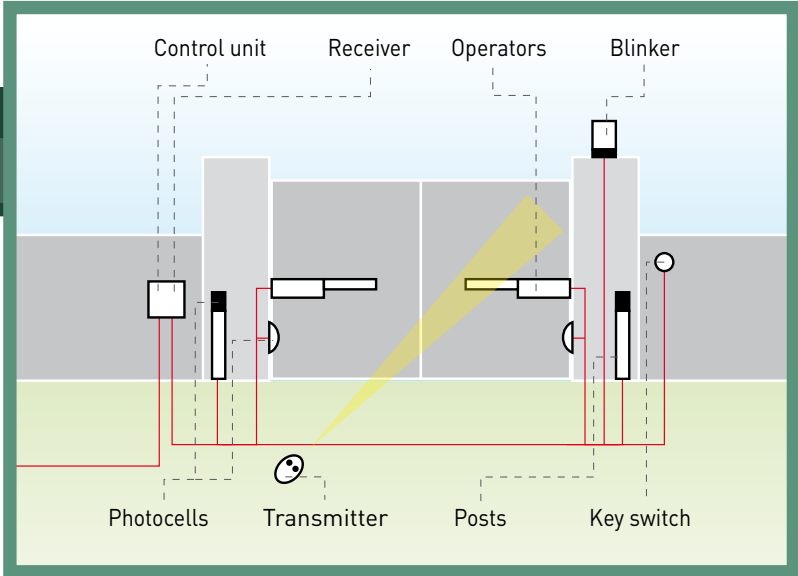
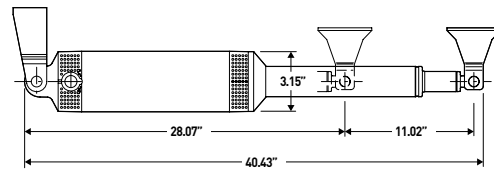
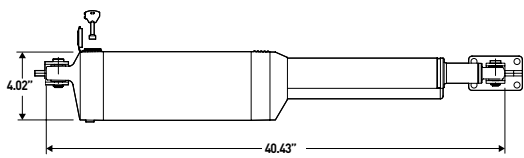
	PHOBOS BT L	PHOBOS BT
CONTROL PANEL	LIBRA UL R	LIBRA UL R
REVERSIBLE/IRREVERSIBLE OPERATOR	irreversible	irreversible
POWER SUPPLY	120 V 60 Hz single-phase	120 V 60 Hz single-phase
ABSORBED POWER	0,05 hp (40 W)	0,05 hp (40 W)
THERMAL PROTECTION	integrated in the control unit	integrated in the control unit
ROD WORKING STROKE	16.1" (410 mm)	11.1" (280 mm)
ROD SPEED	0.55 ips (14 mm/s)	0.55 ips (14 mm/s)
OPENING AND CLOSING TIME	28 s	20 s
IMPACT REACTION	torque limiter integrated in the control panel	torque limiter integrated in the control panel
LOCK	mechanical on opening/closing	mechanical on opening/closing
MANUAL RELEASE	release key	release key
OPERATING CYCLE	intensive use	intensive use
ENVIRONMENTAL CONDITIONS	from -4°F (-20°C) to 140°F (+ 60°C)	from -4°F (-20°C) to 140°F (+ 60°C)
DEGREE OF PROTECTION	IP44	IP44
OPERATOR WEIGHT	14.3 lb (~6,5 kg)	11lb (~5 kg)
DIMENSIONS	see drawing next page	see drawing next page



DIMENSIONS PHOBOS BT L



DIMENSIONS PHOBOS BT



ACCESSORIES



D113701 00001 - LIBRA UL R

• Universal control panel for one or two 24V motors with 1 wire limit switch for each motor. • Quick wiring through plug-in terminal strips. • LCD display for quick programming and easy fault diagnosis. • Crushing prevention by electronic torque self-adjustment. • Built-in 63 remotes rolling code receiver. • Optional serial control management, solenoid electric lock and battery backup.



P125005 - BT BAT

24 Vdc battery backup system for PHOBOS BT, PHOBOS BT L, IGEA BT it includes a charger board that activates the batteries when power is off and charges the batteries when power is on.



P111323 - SCS

Serial connection interface for LIBRA UL R.



D111761 - ME BT

12/24 Vac electric lock interface for ECB locks with BT operators.



D121017 - ECB SX

Left-hand horizontal electric lock. Also available in right-hand and vertical versions.



P135004 - CPH

Cover for PHOBOS BT.



N733286 - SFR

Adjustable post bracket for PHOBOS BT.



N733347 - SFR L

Adjustable post bracket for PHOBOS BT L.



D730567 - PPE

Bolttable plate for PHOBOS BT post bracket.



D610180 - CLS/52

Release key for LUX, PHOBOS BT, PHOBOS BT L and DEIMOS BT.

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.