PHOBOS BT L

RANGE
Electromechanical operator for swing gates up to 16’ and 550 Lbs

PHOBOS SERIES
KLEBR935245 01 Single Phobos Kit and 12x14 enclosure with battery backup
KLEBR935245 02 Dual Phobos Kit and 12x14 enclosure with battery backup
R935245 00001 Single Phobos Kit
R935245 00002 Dual Phobos Kit

SMART TECHNOLOGY
Control panel 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.

TECHNICAL FEATURES

Control panel
Reversible/irreversible operator
Power supply
Absorbed power
Thermal protection
Rod working stroke
Rod speed
Opening or closing time
Impact reaction
Lock
Limit switches
Manual release
Operating cycle
Environmental conditions
Degree of protection
Operator weight
Dimensions
LIBRA UL R
irreversible
120 V, 60 Hz single-phase
0.05 hp (40 W)
integrated in the control unit
16.1” (410 mm)
0.78”/sec (20 mm/s)
20 s
torque limiter integrated in the control panel
mechanical on opening/closing
magnetic
release key
intensive use
from -4°F (-20°C) to 140°F (+ 60°C)
IP44
14.3 lbs (~6.5 kg)
see drawing next page
**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 remote rolling code receiver.
- Optional serial control management, solenoid electric lock and battery backup.

**KELIBRC012U - LIBRA 12 X 14 PRE-WIRED ENCLOSURE**
- 12 x 14 enclosure box with Libra UL/CSA and 2 - 9Amp/h batteries for back-up power outlet.
- On/Off switch.

**PI125005 - BT BAT**
24 V dc 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.

**D610180 - CLS/52**
Release key for LUX, PHOBOS BT, PHOBOS BT L and DEIMOS BT.

**D11761 - 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.

**D11904 Mitto 2 Transmitter:**
12V Two channel 433MHz rolling code remote control.

**P121024 - Q-BOX**
Digital keypad with 10 channels and 100 combinations. Backlit.

**KED113731H - ECOSOL KIT**
Includes Ecosol Interface, solar panel and 15’ solar of panel cable, connection harness for easy installation, for running BFT control panels off 24V solar power. Includes two 12V 7.2Ah batteries and circuit board for management of commands to control panel and battery charge management, with built-in Rolling Code 433.92 MHz receiver with 63 stored positions.

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**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>4.02”</td>
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<tr>
<td>37.13”</td>
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</tr>
<tr>
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<tr>
<td>16.14”</td>
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<td>2.17”</td>
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