SUB UL/CSA
UNDERGROUND HYDRAULIC OPERATOR FOR SWING GATES

• A MODEL FOR EVERY NEED.
  → Two versions available, for 125° and 180° opening angles.

• SAFER USE.
  → Crushing protection guaranteed by two adjustable bypass valves.

• SIMPLER INSTALLATION.
  → Maintenance is carried out without raising or disassembling the gate.
  → The special foundation case makes it possible to remove the operator without taking off the gate leaf.

REFERENCE | DESCRIPTION | VOLTAGE | LEAF WEIGHT | LEAF LENGTH
---|---|---|---|---
P930012 00007 | SUB R UL/CSA DX | 120 V | up to 1750 lbs (~800 kg) | up to 11’6” (3.5 m)
P930008 00007 | SUB R UL/CSA SX | 120 V | up to 1750 lbs (~800 kg) | up to 11’6” (3.5 m)
P930010 00007 | SUB G UL/CSA DX | 120 V | up to 1750 lbs (~800 kg) | up to 11’6” (3.5 m)
P930010 00008 | SUB G UL/CSA SX | 120 V | up to 1750 lbs (~800 kg) | up to 11’6” (3.5 m)

DX = Motor on right hand side of driveway from inside the property.
SX = Motor on left hand side of driveway from inside the property.

TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>SUB R UL/CSA</th>
<th>SUB G UL/CSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIGEL 4 UL/CSA (suggested)</td>
<td>irr &amp; rev</td>
<td>irr &amp; rev</td>
</tr>
<tr>
<td>REVERSIBLE/IRREVERSIBLE OPERATOR</td>
<td>120 V, 60 Hz single-phase</td>
<td>120 V, 60 Hz single-phase</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>0.33 hp (250 W)</td>
<td>0.33 hp (250 W)</td>
</tr>
<tr>
<td>ABSORBED POWER</td>
<td>integrated</td>
<td>integrated</td>
</tr>
<tr>
<td>THERMAL PROTECTION</td>
<td>125°</td>
<td>180°</td>
</tr>
<tr>
<td>OPENING ANGLE</td>
<td>14 s</td>
<td>33 s</td>
</tr>
<tr>
<td>OPENING OR CLOSING TIME</td>
<td>opening/closing</td>
<td>hydraulic clutch</td>
</tr>
<tr>
<td>OPERATING CYCLE</td>
<td>hydraulic opening/closing</td>
<td>hydraulic opening/closing</td>
</tr>
<tr>
<td>IMPACT REACTION</td>
<td>release key</td>
<td>release key</td>
</tr>
<tr>
<td>LOCK</td>
<td>intensive use</td>
<td>intensive use</td>
</tr>
<tr>
<td>MANUAL RELEASE</td>
<td>IP67</td>
<td>IP67</td>
</tr>
<tr>
<td>OPERATING CIRCULARITY</td>
<td>48 lbs (~22 kg)</td>
<td>53 lbs (~24 kg)</td>
</tr>
<tr>
<td>ENVIRONMENTAL CONDITIONS</td>
<td>see drawing next page</td>
<td>see drawing next page</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>2A T</td>
<td>2A T</td>
</tr>
<tr>
<td>FUSE VALUE RIGEL 5 BOARD TRANSFORMER</td>
<td>1A T</td>
<td>1A T</td>
</tr>
<tr>
<td>FUSE VALUE RIGEL 5 BOARD LOGIC BOARD</td>
<td>2A T</td>
<td>2A T</td>
</tr>
<tr>
<td>FUSE VALUE RIGEL 4 BOARD TRANSFORMER</td>
<td>1A T</td>
<td>1A T</td>
</tr>
<tr>
<td>FUSE VALUE RIGEL 4 BOARD LOGIC BOARD</td>
<td>2A T</td>
<td>2A T</td>
</tr>
</tbody>
</table>

ACCESSORIES

N733066 00001 - CPS DX
Bearing foundation case for SUB operator (right hand). Maintenance can be carried out without disassembling the gate.

N733066 00002 - CPS SX
Bearing foundation case for SUB operator (left hand). Maintenance can be carried out without disassembling the gate.

D111704 - SSR5
Traffic light and preheating board for RIGEL 5 control panel.

D113050/110 - SPL 120 V
Pre-heating board for 1 or 2 LUX, SUB, P4,5-P7 and E5 operators. Can be fitted inside control panels RIGEL 4 UL/CSA, ALCOR UL/CSA.

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

(800) 878-7829
www.BFTGateOpeners.com
RESIDENTIAL AND COLLECTIVE USE

ASSOCIATE OF MEMBERSHIPS

DIMENSIONS

ACCESSORIES

D113236 00003
RIGEL 4 UL/CSA
- Control panel for one or two single-phase 120 V operators up to 0.5 hp (375 W) each. • This control panel requires the torque setting to be on the operators. • 2 and 4 steps logic with timer to close and hold-to-run control. • Adjustable delay on opening and on closing. • Self-diagnosis through LED. • Quick wiring through plug-in terminal strips. • Plug-in connector for receiver. UL/CSA approved.

Kerig4C002U
Pre-wired 16” x 18” (40 x 45 cm) enclosure box with RIGEL 4 UL/CSA control board. Features: 2 loop detector sockets (1 free exit, 1 safety), 1 test button, easy connection for motors and accessories, 2 120 V power outlets, surge arrestor lightning protection, individual circuit breakers for control board and power outlets. NEMA 4x rated.

D113693 00001
RIGEL 5 120 V
- Control panel for one or two single-phase 120 V operators up to 0.8 hp (600 W) each. • Easy programming and diagnosis through LCD display. • Torque and brakesetting. • 2, 3 and 4 steps logic with timer to close and hold-to-run control. • Adjustable delay on opening and on closing. • Quick wiring through plug-in terminal strips. • Built-in rolling code receiver and plug-in connector for second receiver.

N733066 00003 - FCS DX
(RIGHT HAND)
New foundation box for SUB R with sliding hardware. SUBS do not need to be raised.

N733066 00004 - FCS SX
(LEFT HAND)

N733202 00001 - CID G
Foundation case for SUB G only.

N733201 00001
CID DX
Foundation case for SUB R DX

N733201 00002
CID SX
Foundation case for SUB R SX

I101615
IDROLUX WINTER
Hydraulic oil for low temperatures, 2 l can. Always use the same grade oil when refilling.

N728002 - BSC
SUB sliding arm.

D730177 - PFS
Foundation plate for SUB and SUB G.

BFT-1200MLKIT - 1200 LB MAGLOCK KIT
Magnetic lock kit including bracket, relay and power supply. $416.06

(800) 878-7829
www.BFTGateOpeners.com