Key Switch Control System - XELE007911xx

**WIRING AT WINCH**

- ELECTRICAL CONTRACTOR
  - TO MOUNT 4" SQUARE JUNCTION BOX WITHIN 3'-0" OF WINCH LOCATION

- 6'-0" Lg. SJO CORD WITH TWIST-LOCK TYPE PLUG - FROM WINCH

- 4 POLE TWIST-LOCK RECEPTACLE MOUNTED IN 4" SQUARE JUNCTION BOX COVER (BY PORTER)

**WIRING AT WALL MOUNTED KEY SWITCH**

INDIVIDUAL KEY SWITCH MOUNTED IN A STANDARD 4½" SQUARE FLUSH-MOUNTED STAINLESS STEEL COVER PLATE FOR MOUNTING IN A 4" SQUARE x 3½" DEEP MASONRY BOX (RACO No. 696 OR EQUAL) BY ELECTRICAL CONTRACTOR.

- MOMENTARY KEY SWITCH FURNISHED WITH TWO KEYS (UP AND DOWN) TO PREVENT THE POSSIBILITY OF INSTANTANEOUS REVERSING OF THE WINCH, WHICH COULD RESULT IN OVERRIDE THE LIMIT SWITCHES, OR PLACING UNDUE STRESS ON HOIST SYSTEM. DO NOT SEPARATE KEYS FROM EACH OTHER.

**CAUTION**

KEY SWITCH MUST BE MOUNTED ON THE WALL IN A LOCATION SO THAT THE EQUIPMENT IT IS CONTROLLING IS IN FULL VIEW OF THE OPERATOR.
**Important Note** - Performance of winch is based on 115 volts at motor terminals. Voltages less than 115 volts will affect hoisting capacity and result in damage to motor, thus voiding warranty. **Substitution** of this key switch will void all warranties and will render the operation of backstops / curtains unsafe.

Individual key switch assembly supplied as standard.

**Electrician Note:** If equipment operation does not correspond to up and down label on key switch, reverse black and red wires.

- **Green (Ground)**
- **Black (Up)**
- **Red (Down)**

**Front Side of Receptacle**

- Hot Line: 115 volt, single phase, 60 hertz power source protected by a 20 amp circuit breaker.

- Top view of key switch

**Backside of Receptacle**

- Hot line: 115 volt, single phase, 60 hertz power source protected by a 20 amp circuit breaker.

- Mating terminals provided by electrical contractor.

- Terminals: ½” quick-connect type.

- The minimum wire size is dependent on the motor voltage, motor full-load amperage rating, and the total distance from the circuit breaker panel to the winch receptacle. Consult voltage drop calculation tables to determine the minimum wire size.

**Available Ganged Key Switches**

<table>
<thead>
<tr>
<th>Switch QTY.</th>
<th>&quot;A&quot; Box Width</th>
<th>RACO Masonry Box No. (Or Equal)</th>
<th>RACO Gangable Box No. (Or Equal)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3 1/2&quot;</td>
<td>696</td>
<td>592 Qty. 2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>7 1/2&quot;</td>
<td>698</td>
<td>592 Qty. 4</td>
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<tr>
<td>3</td>
<td>11&quot;</td>
<td>965</td>
<td>592 Qty. 6</td>
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<tr>
<td>4</td>
<td>14 1/2&quot;</td>
<td>N/A</td>
<td>592 Qty. 8</td>
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<td>18 1/2&quot;</td>
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<td>592 Qty. 10</td>
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<tr>
<td>6</td>
<td>21 1/2&quot;</td>
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<td>592 Qty. 12</td>
<td></td>
</tr>
</tbody>
</table>

**RACO Gangable Box No.**

- 592 Qty. 12
- 965 Qty. 6
- 698 Qty. 4
- 696 Qty. 2

**Additional Notes:**

- Use of "double" gang spacing (as illustrated) per single switch, to provide adequate clearance for wiring within the electrical box.

**Warning:** This product can expose you to Vinyl Chloride, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

**SAVE THESE INSTRUCTIONS FOR FUTURE USE**