LARGO CLEANING SYSTEMS WIRELESS 12vdc REMOTE - Clutch

**INSTALLATION**

DISCONNECT 12VDC Power from all equipment before installation.

This Wireless Remote is used to Control 2 Separate Chemical Solenoids and the Pump Clutch up to 300 ft away from the Receiver.

1. Mount the Largo Receiver in a convenient location.
2. Install wiring to terminal strip (Note – terminal strip header lifts up off the base for easy wiring)
3. Install antenna to connector located on the right side on the enclosure.
4. Connect 12VDC power to the proper terminals in your control circuit.

**TERMINAL STRIP WIRING**

<table>
<thead>
<tr>
<th></th>
<th>Brown #1</th>
<th>7</th>
<th>Black Start</th>
<th>13</th>
<th>12VDC INPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>White</td>
<td>8</td>
<td>White</td>
<td>14</td>
<td>12VDC INPUT</td>
</tr>
<tr>
<td>3</td>
<td>not used</td>
<td>9</td>
<td>Not Used</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Red #2</td>
<td>10</td>
<td>Green Gnd</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>White</td>
<td>11</td>
<td>White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Not used</td>
<td>12</td>
<td>Not Used</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE VOLTAGES AVAILABLE ARE 12VDC & 220 VAC

**RECEIVER LAYOUT**

**POWER LED1**
- Green LED. Illuminates when power is applied

**LED2**
- Illuminated when #1 is energized

**LED3**
- Illuminated when #2 is energized

**LED4**
- Illuminated when Start is energized

**LED5**
- Illuminated when relay #4 is energized
**RELAY & FREQUENCY SET-UP**

The unit is shipped from the factory with SEL1 switches in the open positions. All four relays will operate as maintained momentary and unit is receiving commands on frequency one. If you wish to change these default settings, follow the instructions on the table below.

1) Remove power from unit  
2) Remove top cover.  
3) Select desired relay operation and frequency using table below.  
4) Reattach cover and apply power.  
5) Programming is now complete.

### RELAY CONFIGURATION

<table>
<thead>
<tr>
<th>SWITCH NUMBER</th>
<th>OPEN</th>
<th>CLOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>Relay #1 toggle/latch</td>
<td></td>
</tr>
<tr>
<td>#2</td>
<td>Relay #2 toggle/latch</td>
<td></td>
</tr>
<tr>
<td>Start</td>
<td>Relay #3 toggle/latch</td>
<td></td>
</tr>
</tbody>
</table>

**LARGO CLUTCH UNITS USE**

**Toggle Latch** – Relay changes (and holds) its state each time the corresponding button or input is depressed or closed.

### FREQUENCY SET-UP

<table>
<thead>
<tr>
<th>Select Fq #1 #2 or #3</th>
<th>Frequency</th>
<th>Rocker 5</th>
<th>Rocker 6</th>
<th>Rocker 7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>OPEN</td>
<td>OPEN</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>CLOSED</td>
<td>OPEN</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>OPEN</td>
<td>CLOSED</td>
<td>OPEN</td>
</tr>
</tbody>
</table>

**FREQUENCY SET UP**

DISCONNECT POWER BEFORE MAKING ANY FREQUENCY CHANGES.

MAKE SURE THE FREQUENCY YOU ARE GOING TO USE IS FIRST SELECTED ON THE RECEIVER.

SELECTING FREQUENCIES ON TRANSMITTER. YOUR UNIT IS SET UP TO USE UP TO 3 DIFFERENT FREQUENCY’S.

1. HOLD DOWN THE START AND STOP BUTTON TOGETHER FOR 4 SECONDS. THE TX LIGHT WILL COME ON - RELEASE THE BUTTONS. THE RED LIGHT WILL GO OFF AND THEN BLINK ONCE FOR FQ1. TWICE FOR FQ 2 AND 3 TIMES FOR FQ 3.

**DETERMINE WHAT FQ YOUR UNIT IS ON:**

**TRANSMITTER PROCEDURES**

1. HOLD DOWN THE START AND STOP BUTTON FOR 4 SECONDS. THE TX LIGHT WILL COME ON - RELEASE THE BUTTONS. THE RED LIGHT WILL GO OFF AND THEN BLINK ONCE FOR FQ1. TWICE FOR FQ 2 AND 3 TIMES FOR FQ 3.