INSTALLATION PROCEDURE

STEP 1
INSTALL ELR DEVICES PER DEVICE INSTALLATION INSTRUCTIONS.

STEP 2
INSTALL POWER SUPPLY (RDS-2) SEE WIRE GAUGE CHART BELOW.

STEP 3
COMPLETE WIRING AS INDICATED ON SYSTEM SCHEMATIC

STEP 4
TEST OPERATION OF ELR DEVICES
(REFER TO SPECIFICATIONS ON OTHER SIDE)

SYSTEM SCHEMATIC

WIRE GAUGE CHART

<table>
<thead>
<tr>
<th>LENGTH OF RUN</th>
<th>WIRE GAUGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-100 FT.</td>
<td>14 GA.</td>
</tr>
<tr>
<td>101-200 FT.</td>
<td>12 GA.</td>
</tr>
<tr>
<td>201-300 FT.</td>
<td>10 GA.</td>
</tr>
<tr>
<td>301-400 FT.</td>
<td>8 GA.</td>
</tr>
</tbody>
</table>

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D-5488 Rev. 05/15-b

X-FIELD SPLICE

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RDS-2 SPECIFICATIONS

1. INPUT VOLTAGE, 115 VAC 60HZ 5 AMPS TO TRANSFORMER

2. OUTPUT VOLTAGES:
   FIRST DEVICE: TERMINAL #1 & #2
     24V DC IMPULSE
     5V DC CONTINUOUSLY AFTER IMPULSE
   SECOND DEVICE: 1 SECOND DELAY AFTER 1ST DEVICE
     TERMINAL #3 & #4
     24V DC IMPULSE
     5V DC CONTINUOUSLY AFTER IMPULSE

3. DIP SWITCH (WHEN ON) WILL HOLD DEVICE (S) RETRACTED FOR SET TIME PERIOD AS INDICATED BELOW:

<table>
<thead>
<tr>
<th>DIP #</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOLD TIME (SECONDS)</td>
<td>2</td>
<td>4</td>
<td>8</td>
<td>16</td>
<td>32</td>
<td>64</td>
</tr>
</tbody>
</table>

**NOTE:** DIP SWITCHES MOVED TO THE ON POSITION HAVE A HOLD TIME OF ALL ON SETTINGS ADDED TOGETHER.

EXAMPLE: DIP #1 & #2 = 6 SEC. HOLD

FOR CONTINUOUS ELR RETRACTION TURN ALL DIP SWITCHES TO OFF POSITION APPLY A JUMPER OR OTHER SOURCE SWITCH TO TERMINAL #7 & #8.

4. A GREEN FLASHING LED INDICATES THAT POWER IS TO THE BOARD. A SOLID GREEN LED INDICATES THE DEVICES BEING RETRACTED. AN ORANGE (GREEN/RED) LED INDICATES THE DEVICES ARE BEING HELD IN THE RETRACTED POSITION. A FLASHING RED LED INDICATES A SHORT IN THE WIRING BETWEEN THE BOARD AND DEVICE.