APPLICATION:

• Remote central station notification
• Local alarm monitoring
• Triggering video surveillance and recording systems
• Active relay for trap door systems
• For Indoor applications ONLY.

SENSOR WIRE COLOR CODE

POWER LEADS:
Red - Positive
Black - Negative

RELAY LEADS:
Blue - Common
Yellow - Normally Open (NO)
White - Normally Closed (NC)

TECHNICAL SPECIFICATIONS:

• SHARP® Infrared optical sensor
• Normally Open and Normally Closed contact terminals
• Single pole, double throw, Form "C" relay, rated at 1 Amp at 24 VAC or 24 VDC.
• Sensor Power - 12 through 30 VDC (ONLY)

FEATURES:

• Non-Mechanical operation
• Sensor is concealed within the unit
• Sensor does not require any adjustment
• Ignores ambient light, detecting radiant Infrared reflections off the pullman latch
• Increase life and decrease in maintenance due to electronic versus mechanical operation

PREINSTALLATION CONSIDERATION:

When Mounting the 4800FLB, the pullman latch must be positioned as close as possible to the vertical center of the latch cavity. Having the latch on center will ensure that the sensor will have enough surface to detect.

You can use the 1/8” and 1/4” spacer (included, 1/4” is for 4850LB only) to move the 4850LB/4800FLB closer to the panic bar.

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>QUIESCENT CURRENT DRAW</th>
<th>TRIGGER CURRENT DRAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>13mA</td>
<td>23mA</td>
</tr>
<tr>
<td>24VDC</td>
<td>20mA</td>
<td>35mA</td>
</tr>
<tr>
<td>30VDC</td>
<td>22mA</td>
<td>39mA</td>
</tr>
</tbody>
</table>

NOTE:
Please observe proper polarity for the LB sensor. The RED wire terminal must be attached to the POSITIVE side and the BLACK wire terminal must be attached to the NEGATIVE side.

INSTRUCTION SHEET
SPECIFICATION AND INSTRUCTION SHEET

CALLS FOR SERVICE:
P: (203) 730-1756  --  F: (203) 730-1781
www.trineonline.com

FOR AN ALARM SYSTEM A BUZZER OR BELL CAN BE WIRING SCHEMATICS FOR TYPICAL APPLICATIONS
WIRING SCHEMATICS FOR DIFFERENT APPLICATIONS

FOUR WIRE SCHEMATIC UTILIZING ONE TRANSFORMER
This wiring arrangement uses the least amount of conductors between the Panel and the Frame.

FIVE WIRE SCHEMATIC UTILIZING TWO TRANSFORMERS
If the Signaling Device or Panel Indicator requires a different voltage, this wiring scheme can be used.

SIX WIRE SCHEMATIC UTILIZING THREE TRANSFORMERS
This wiring arrangement is used to isolate the strike operation, from the LB sensor power board and finally the Panel Indicator or Signaling Device.