1. Description
The Essex Exit Button (PEBSS) incorporates piezoelectric technology to convert physical touch (pressure) of the push button from mechanical to electrical pulse. This pulse is used to energize a relay for an adjustable set time, from 1 to 40 seconds. The LED ring may be illuminated in red, green, or disabled. The Exit Button has two separate outputs – Normally open & normally closed, and may be configured for failsafe or fail secure operation.

2. Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Input</td>
<td>12 to 24 VDC</td>
</tr>
<tr>
<td>Hold Time</td>
<td>1 to 40 seconds, adjustable</td>
</tr>
<tr>
<td>Current – LEDs are ON</td>
<td>40mA idle, 60mA Active</td>
</tr>
<tr>
<td>Current – LEDs are OFF</td>
<td>10mA idle, 40mA active</td>
</tr>
</tbody>
</table>

3. Precautions
- Shut off all power in access control circuits before wiring this device.
- Maintain a clean & safe environment.
- Be aware of pedestrian traffic around the installation location.
- Stop pedestrian traffic through the controlled door while performing tests that may result in unexpected door operation.
- ESD, or electrostatic discharge: Circuit boards are vulnerable to damage by ESD. Before handling the product, but sure to dissipate your body’s charge by grounding to facility grounds.
- Always check placement of wiring before power is applied to verify that moving parts will not catch these wires and damage them.
- DO NOT attempt to repair the Exit Button, there are no user serviceable parts. All repairs must be performed by Essex Electronics.

4. Settings

1. Fail Safe & Fail Secure

<table>
<thead>
<tr>
<th>Jumper Setting</th>
<th>Relay Output</th>
<th>In Normal Position</th>
<th>When Button is Pressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fail Safe</td>
<td>On</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>Fail Secure</td>
<td>OFF</td>
<td>ON</td>
<td></td>
</tr>
</tbody>
</table>
2. LED Color Scheme

3. External LED Control

   The LEDs may be controlled externally.

   1. Remove both jumpers from the J2 block.
   2. Connect the middle of the three pins on each jumper to ground.
   3. Connect the left pins for GREEN color when the relay is ON.
   4. Connect the right pins for RED color when the relay is ON.

5. Installation

   1. Connect Output Relay

       The Exit Button may be configured to offer Normally Open (N.O.) and Normally Closed (N.C.) relay output.

       NORMALY OPEN; Connect the common lead to the COM1 and the positive lead to the N.O. terminals.

       NORMALY CLOSED; Connect the common lead to the COM2 and the positive lead to the N.C. terminals.

   2. Connect Power

       The exit button will operate when any voltage between 12 and 24 VDC is applied.

       Connect the power supply positive lead to the “+” terminal.
       Connect the power supply negative lead to the “-“ terminal.

6. Company Contact

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