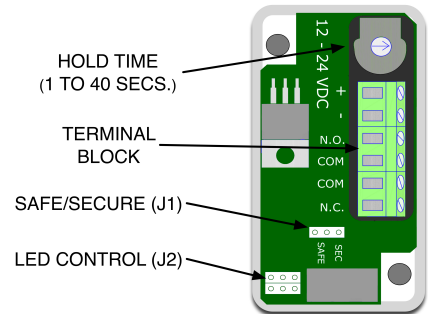


1. Description

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

Description	Specification
Voltage Input	12 to 24 VDC
Hold Time	1 to 40 seconds, adjustable
Current – LEDs are ON	40mA idle, 60mA Active
Current – LEDs are OFF	10mA idle, 40mA active

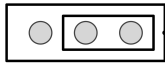
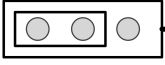


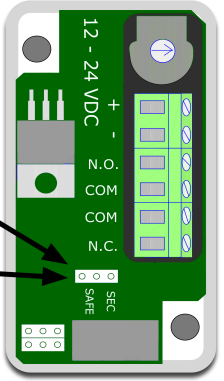
3. Precautions

- ✓ 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

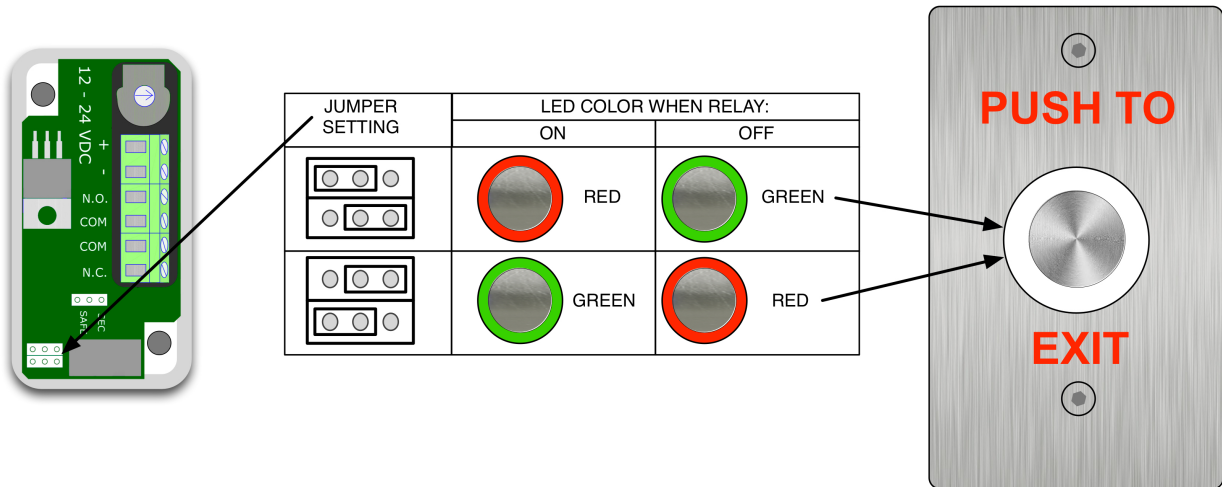
1. Fail Safe & Fail Secure

Jumper Setting	Relay Output		
	In Normal Position	When Button is Pressed	
Fail Safe	On	OFF	 FAIL SECURE
Fail Secure	OFF	ON	 FAIL SAFE



The diagram shows the PCB with arrows pointing from the 'FAIL SECURE' and 'FAIL SAFE' jumper diagrams to the corresponding terminal block positions. The 'FAIL SECURE' jumper is connected to the first two terminals (N.O. and COM), and the 'FAIL SAFE' jumper is connected to the last two terminals (N.C. and SEC).

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.

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

NORMALLY 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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