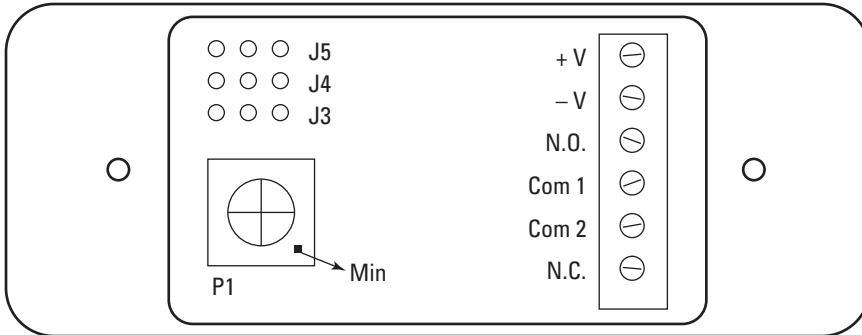


# INSTALLATION INSTRUCTIONS

## REX (Request To Exit) Switches

### Wiring Connections:

The ActiveMetal Request To Exit Switch has two sets of jumper pins to change the LED settings (J4, J5), jumper pins (J3) to set fail safe or fail secure operation, a potentiometer (P1) to change the hold open time, and a terminal block for making electrical interconnections with the lock/alarm system. To increase the time the switch is held in the activated state, turn the potentiometer clockwise (see note at bottom of the page).



P1: Clockwise increases hold open time,  
Counter clockwise decrease hold open time.

+ V = 12 – 24VDC Supply  
 – V = Ground Supply  
 N.O. = Normally Open Contact } Output 1  
 Com 1 = Common Output 1  
 Com 2 = Common Output 2 } Output 2  
 N.C. = Normally Closed Contact

### LED Illuminations:

The ActiveMetal REX switch has both Red and Green LEDs that can be used to indicate the status of the switch. The LED configuration is changed by adjusting the jumper between the pins labeled J4 and J5 above. The Red LED is controlled by the jumper position on J5 during power-up; Green LED is controlled by the jumper position on J4 during power-up (see note at bottom of the page).

At Rest	Activated	Jumper Position
Red On	—	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J5
—	Green On	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J4
—	Red On	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J5
Green On	—	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> J4
Red On	—	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J5
—	—	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J4
—	—	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J5
Green On	—	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J4
—	Red On	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J5
—	—	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J4
—	—	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J5
—	Green On	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> J4

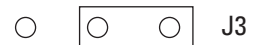
### Fail Safe:

If power to the switch is lost, the door will be unlocked. Wire the lock through output circuit 1 — the normally open contacts. For a fail safe switch set the jumper on J3 as follows:



### Fail Secure:

If power to the switch is lost, the door will remain locked. Wire the lock through output circuit 2 — the normally closed contacts. For a fail secure switch set the jumper on J3 as follows:



### Note:

These Switches will not operate without power. Consult local building and fire regulations prior to installation. An uninterruptible power supply (UPS) may be required.

Design and specifications subject to change without notice due to continuing product improvements

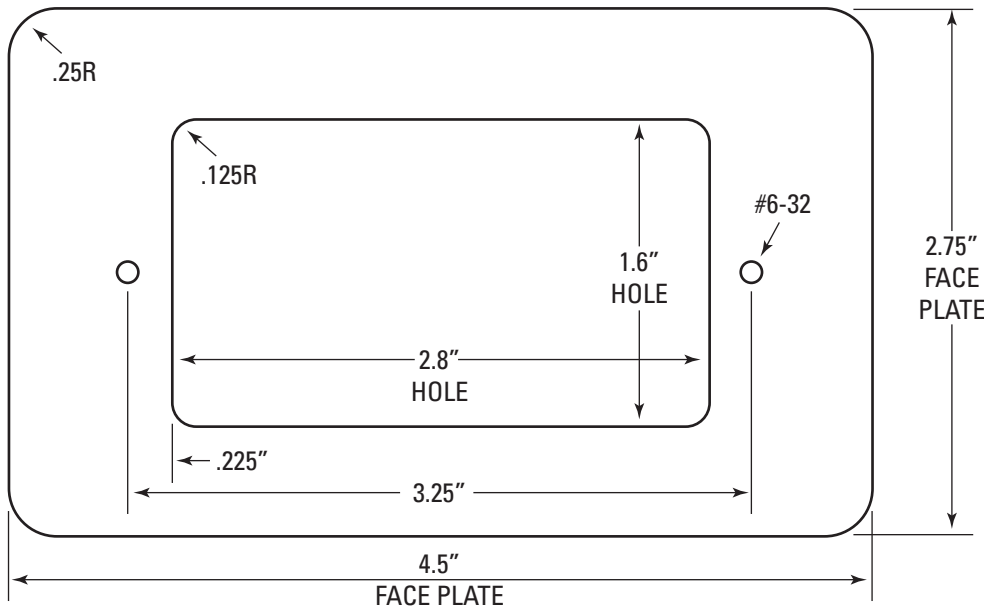
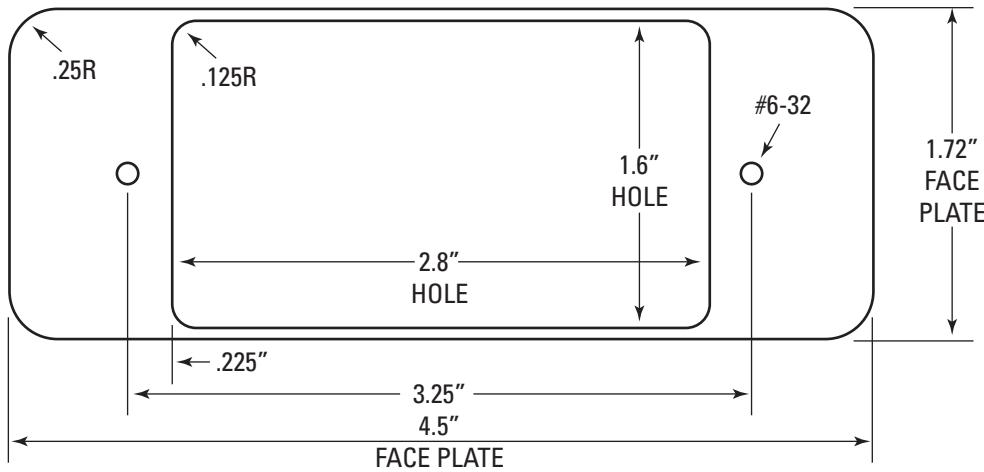
### Note:

For setting changes to take affect the power must be cycled off / on.

800.544.3354

www.ActiveMetal.com

**Dimensions / Mounting Diagrams:**



**Electrical Specifications:**

- 12 VDC – 24 VDC Supply Voltages
- Operating Temperatures:  
-40° C – 85° C (-40° F – 185° F)
- Outputs: Form C Relay, One Normally Open, One Normally Closed, 2A 30 VDC
- LEDs Controlled Internal or External to the Switch



Current Consumption		
REX Switches	Illumination On	Illumination Off
12 VDC Standby	35 mA	10 mA
12 VDC Relay On	70 mA	30 mA
24 VDC Standby	35 mA	10 mA
24 VDC Relay	85 mA	40 mA