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# SECURITRON EEB2, EEB3N EXIT BUTTON WITH INTEGRATED TIMER INSTALLATION AND OPERATING INSTRUCTIONS

# **DESCRIPTION**

Model EEB2 is a two-inch square, exit button, mounted on a stainless steel (S.S.), single gang key plate. Model EEB3N is a rectangular exit button, mounted on a 1 3/4" S.S. narrow stile key plate. Both EEB2 and EEB3N have a 3A switching capacity and a timer set for 30 seconds. These units are intended only for release of a magnetic lock from the inside of a door. When the button is pressed, the lock releases for 30 seconds. If pressed again during the 30-second lock release period, the unit will "retrigger" starting a new 30-second lock release period. These buttons are specifically intended for installation on access controlled egress doors, as described in the Building Officials and Code Administrators (BOCA) code. A motion detector, such as the Securitron Model XMS, is the primary means of magnetic lock release on the door. The EEB2 or EEB3N exit button is employed as a backup means of releasing the lock in case of a problem with the motion detector. It should be noted that the exact release time will vary with temperature, but it will not be less than 30 seconds.

# **UL294 ACCESS CONTROL PERFORMANCE LEVELS**

The following are the UL294 access control performance levels:

- Destructive Attack = Level 1
- Line Security = Level 1
- Endurance = Level 1 (6,000 cycles)
- Standby Power = Level 1

### **MOUNTING THE EEB2 AND EEB3N EXIT BUTTONS**

1. MOUNT the EEB2 using its included mounting device.

NOTE: The aluminum door frame must be sufficiently routed out to accommodate the EEB3N components.

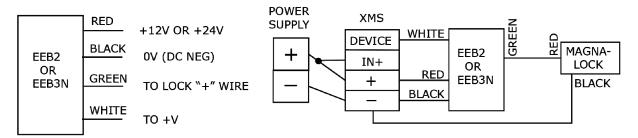
2. MOUNT the EEB3N directly on a narrow stile aluminum door frame.

#### WIRING THE EEB2 AND EEB3N

# **CAUTION**

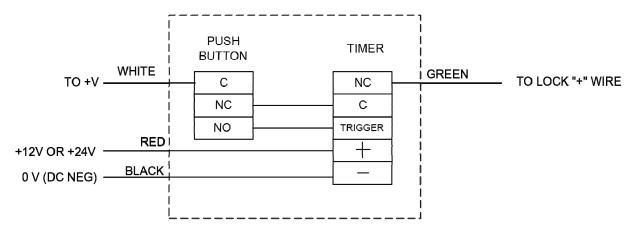
THE EEB2 and EEB3N can be damaged if operated on 24 VDC with the jumper in place, or operated on a power supply different than what is operating the magnetic lock.

- **NOTE 1:** The EEB2 and EEB3N operate on 12 VDC or 24 VDC, and can accept the use of full-wave rectified DC (transformer and bridge rectifier).
- **NOTE 2:** EEB2 and EEB3N are factory shipped with the jumper in place (12 VDC). If jumper is removed, unit operates on 24 VDC.
- **NOTE 3:** EEB2 and EEB3N draw no current when at rest, and only draw 28 mA at 12 VDC or 38 mA at 24VDC when releasing the lock.
- 1. WIRE the EEB2 or EEB3N in accordance with Figure 1, "Wire Identification and Typical Connection," and Figure 2, "Internal Schematic."



**NOTE:** Positive input voltage on the white wire must be from the same power source that the red and black wires are connected.

Figure 1. Wire Identification and Typical Connection



**NOTE:** Positive input voltage on the white wire must be from the same power source that the red and black wires are connected.

Figure 2. Internal Schematic

#### **CHANGING THE ALTERNATE LENS ON THE EEB2**

- GRASP and TURN OVER the keyplate.
- 2. From the back, ROTATE the white contact block of the switch counterclockwise to the 11:00 o'clock position, and PULL straight back to remove.
- 3. SLIDE a slender smooth-ended object, such as a marker pen, inside the switch body up against the lens.
- 4. PLACE the object on a smooth surface with the keyplate on top, and TAP the keyplate up and down on the object to pop off the lens.
- 5. REMOVE the lens and insert.
- 6. TURN OVER the keyplate and PLACE a new insert onto the front of switch.
- 7. ENSURE that the text on the insert is correctly reading to the keyplate, and PLACE the matching colour lens on top of insert.
- 8. PRESS around all edges of the lens until it snaps in place.
- 9. DEPRESS lens several times to ensure smooth operation and the lens is not binding.
- 10. With the terminals upward, INSERT the contact block back into the back of the switch at the 11:00 o'clock position and ROTATE clockwise until it stops straight up and down.

# **CHANGING THE ALTERNATE LENS ON THE EEB3N**

- 1. While holding keyplate, GRASP the top and bottom of the lens and PULL straight out from the keyplate.
- 2. PLACE a new lens over the switch face, and ENSURE the text on the lens is correctly reading to the keyplate.
- 3. PRESS completely until it snaps into place.
- 4. DEPRESS the lens several time to ensure smooth operation and the lens is not binding.

# **MAGNACARE® WARRANTY**

LIFETIME - NO FAULT - TOMORROW

- Lifetime We guarantee our products, and since we've been making Magnalocks for over 35 years that's a promise you can trust
- · No Fault for any reason, including but not limited to installation error, vandalism or act of God
- Tomorrow replacement product is shipped at Securitron's expense, next day air if needed
- Hassle Free No product registration is required

www.securitron.com/warranty

PN# 500-12600 Rev. F, 01/15