# SECURITRON PB3E, PB3EA SERIES AND PB3ER, PB3EAR SERIES EXIT BUTTON INSTALLATION AND OPERATING INSTRUCTIONS

## 1. DESCRIPTION

The model PB3E series is a spring loaded momentary rectangular exit button without indicators, mounted on a stainless steel SG keyplate. The model PB3EA is alternate action (push-on; push off). Adding "N" to the part# (PB3EN, PB3EAN) is mounted on a 1 3/4" narrow stile plate.

The model PB3ER (alternate action version PB3EAR) is a **surface mount** version of the same product which is often used as a receptionist's button mounted on the underside of a desk. Note that the PB3ER enclosure has enough room to add Securitron's model TM-9 timer.

The NO and NC (DPST) contacts switch when the button is depressed and return when it is released. The 3 AMP switch is UL listed. Note that the switch type is double pole double throw. NOTE: NO1 and NC2 are not factory wired, but may be wired by the installer if desired.

The PB3E can be used for momentary release of fail safe or fail secure electric locks. If interfaced with a release hold timer, such as Securitron's model TM-9 TimeMate, it can provide for **timed release** of electric locks. It may also be used to input a REX (request to exit) signal to a card reader system. We recommend that the local building or fire safety authority be consulted prior to using exit buttons for door egress. They may require a "no special knowledge" exit device such as Securitron's Touch Sense Bar.

## 2. INSTALLATION

The PB3E comes with a color coded hookup wires installed. The drawing on the second page shows identification of the unit's connection points.

## 3. SWITCH ILLUMINATION OPTION

The PB3-LK is a field installable illumination kit intended for the PB3E/PB3EA series pushbuttons which includes the LED, wires and instructions needed to add illumination to the switch.

## 4. WIRING

The PB3E can be used in many different ways but the drawings on the second page show two common applications: momentary release of a fail safe or fail secure electric lock and timed release of a fail safe electric lock using the PB3 and Securitron's TimeMate. Momentarily pressing the button will release the lock for the amount of time set on the TimeMate. The wiring is also done in double break fashion so that even if the timer fails, the button will still be able to momentarily release the lock. This is for added safety.

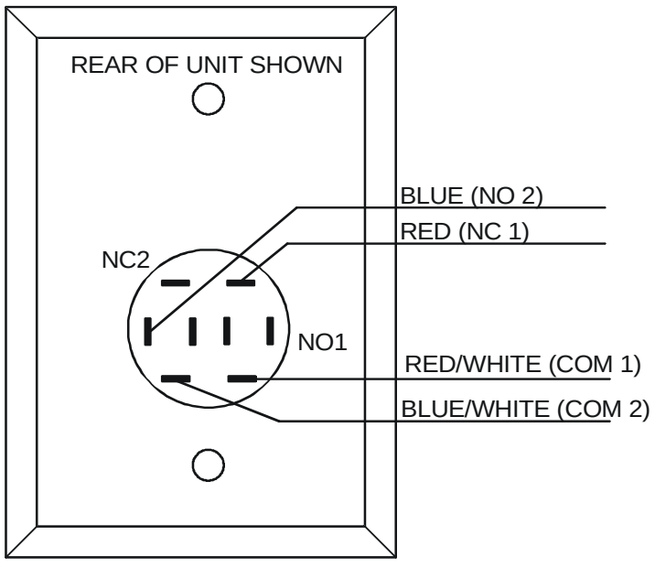
## 5. ALTERNATE LENS CHANGING

The pushbutton is factory shipped with a green lens set installed and an optional red lens set. Changing to the Red set is simple

1) While holding the keyplate grasp the top and bottom of the lens and pull straight out from the keyplate.
2) Place the new lens over the switch face confirm that the text on the lens is right reading to the keyplate and push down completely until it snaps into place. Depress lens several time to ensure smooth operation and that the lens is not binding.

© Copyright, 2011, all rights reserved

WIRE IDENTIFICATION

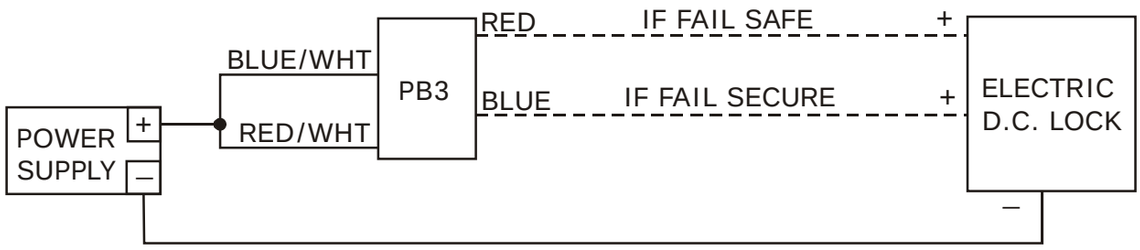



THE TWO TERMINALS IN THE CENTER OF THE SWITCH ARE FOR OPERATION OF AN LED ILLUMINATOR FOR THE SWITCH. THIS ILLUMINATOR IS FURNISHED ON SECURITRON'S PB3 SERIES. THE PB3E SERIES DOES NOT INCLUDE ILLUMINATION.

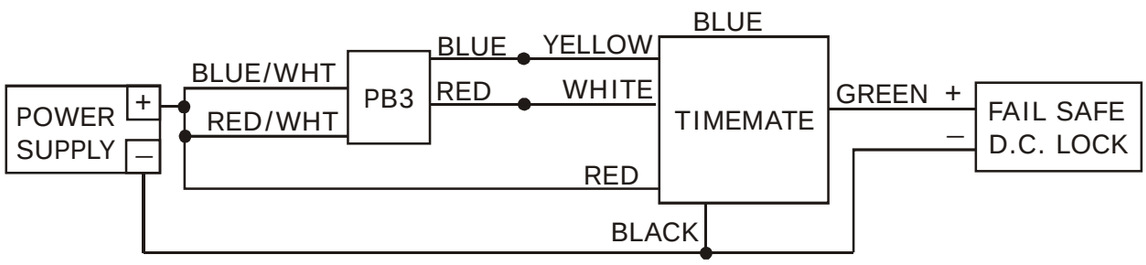
PB3-LK KIT IS AVAILABLE IF ILLUMINATION ON SWITCH IS DESIRED.

NOTE THAT NO1 AND NC2 ARE NOT FACTORY WIRED BUT MAY BE WIRED BY THE INSTALLER IF DESIRED

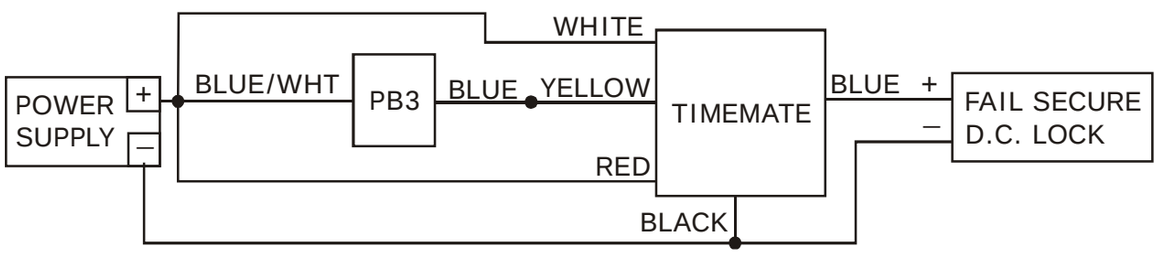
MOMENTARY RELEASE OF FAIL SAFE OR FAIL SECURE ELECTRIC LOCK




TIMED DOUBLE BREAK RELEASE OF FAIL SAFE LOCK




TIMED RELEASE OF FAIL SECURE LOCK






PN# 500-15000
Rev. E, 02/11