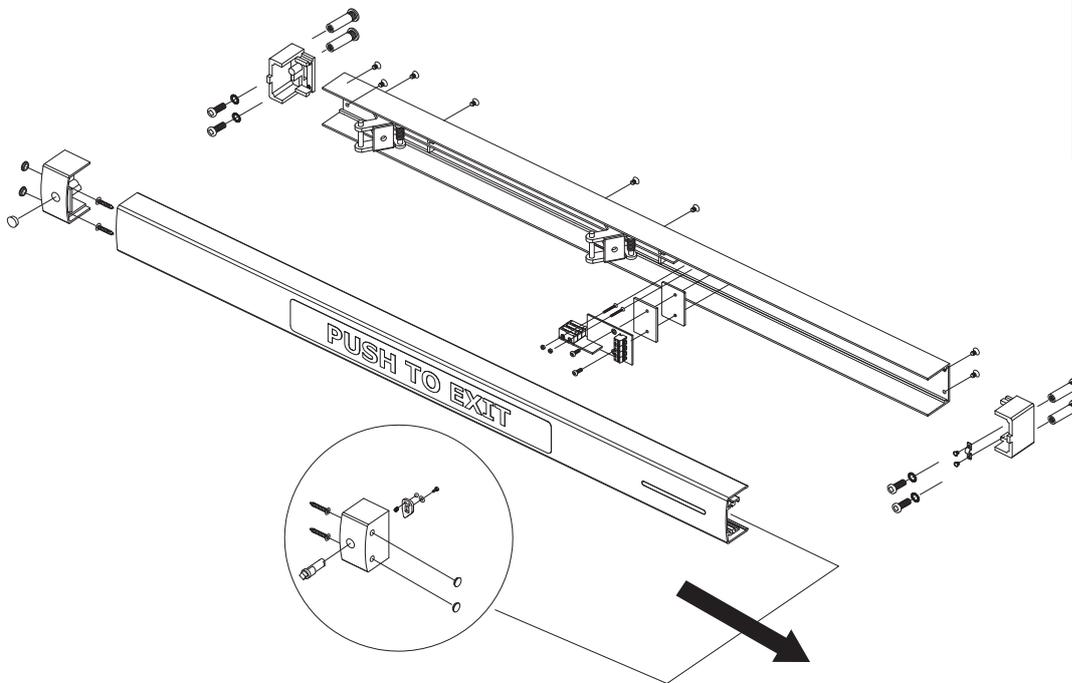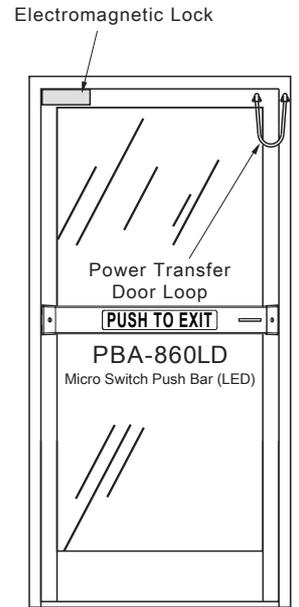# PBA-600LD & PBA-860LD LED Illuminated Micro Switch Bar Instruction Manual
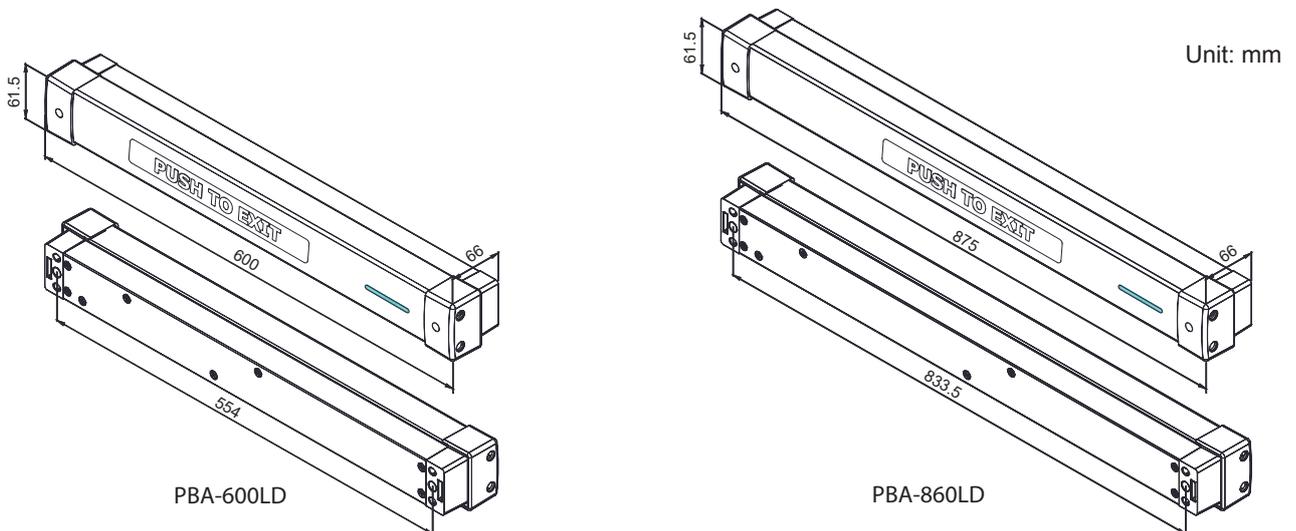
The PBA-600LD & PBA-860LD Micro Switch Bar is designed for emergency exit doors and other large-scale outswing doors. When the bar is depressed, or if access is granted by control device, the micro switch is activated to release the door. The dual-colour LED illumination design also allows people to locate the push bar in the dark quickly and easily.

The PBA-600LD & PBA-860LD features additional terminals including dry or wet input (from control device such as keypad or reader to change status of the LED illumination), a REX output (dry contact for direct control of electric locks) and LED indicator setting.

Models	PBA-600LD	PBA-860LD
Dimensions	600(L)x66(W)x61.5mm(D)	875(L)x66(W)x61.5mm(D)
Current Draw	Activated 150mA/12VDC; Standby 25mA/12VDC Activated 350mA/24VDC; Standby 40mA/24VDC	
Wet Contact Input Voltage	12/24VDC	
Relay Rating	5A/125VAC	
Finish	Clear anodized	
Operating Voltage	12/24VDC	
LED Illumination	Green & Red	

Electromagnetic Lock

Power Transfer
Door Loop

PUSH TO EXIT

PBA-860LD
Micro Switch Push Bar (LED)

PUSH TO EXIT

Direction to pull out the aluminum cover

Dimensions:

61.5

PUSH TO EXIT

600

66

554

PBA-600LD

Unit: mm

61.5

PUSH TO EXIT

875

66

833.5

PBA-860LD

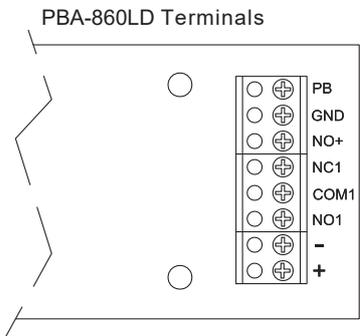# PBA-600LD & PBA-860LD Wiring Diagrams:

Caution:

Please ensure the dry (PB,GND) or wet (GND, NO+) contacts are connected correctly. Passing voltage through dry contacts will cause the PCB to burnout and this will not be covered by the warranty.

⚠ CAUTION

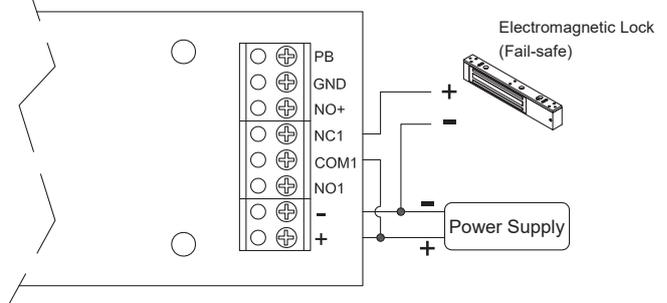Incorrect wiring of dry or wet contacts will cause the PCB to burnout.

PBA-860LD Terminals

- PB
- GND
- NO+ } LED Input (Dry Contact) / LED Input (Wet Contact)
- NC1
- COM1 } REX Output (Dry Contact)
- NO1
- − } Power Input (12/24 VDC)
- +

PBA-860LD to directly control fail-safe locks.

Electromagnetic Lock (Fail-safe)

Power Supply

PBA-860LD to directly control fail-secure locks.

Electromagnetic Lock (Fail-Secure)

Power Supply
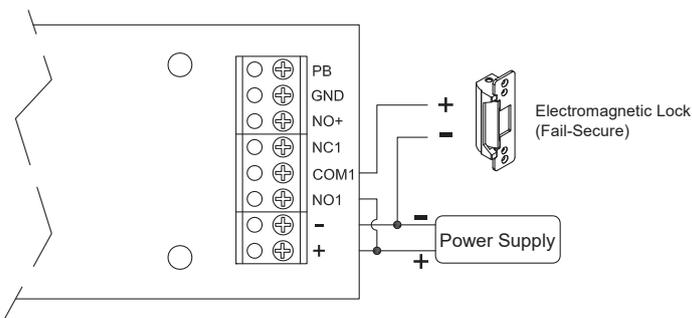
Connect to the push button terminal of the digital keypad or proximity reader.

Digital Keypad Proximity Reader

Power Supply

Electromagnetic Lock (Fail-safe)
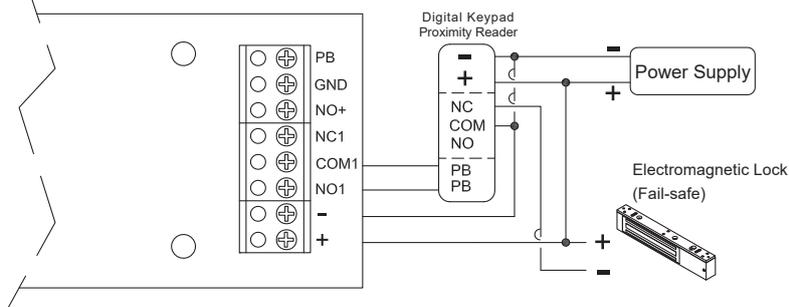
Using the output from digital keypad/proximity reader to control PBA-860LD (Wet Contact).

Digital Keypad Proximity Reader

Power Supply

Electromagnetic Lock (Fail-safe)
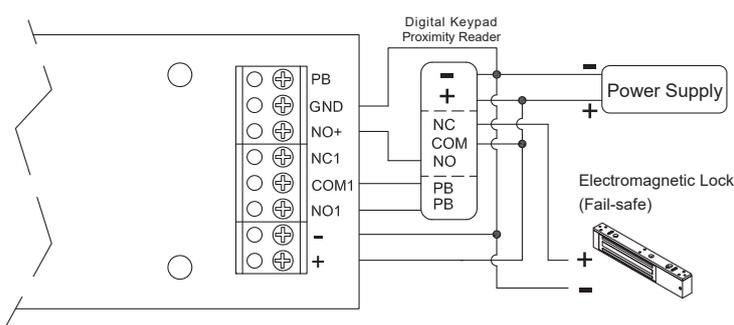
Using the output from digital keypad/proximity reader to control PBA-860LD (Dry Contact).

Digital Keypad Proximity Reader

Power Supply

Electromagnetic Lock (Fail-safe)
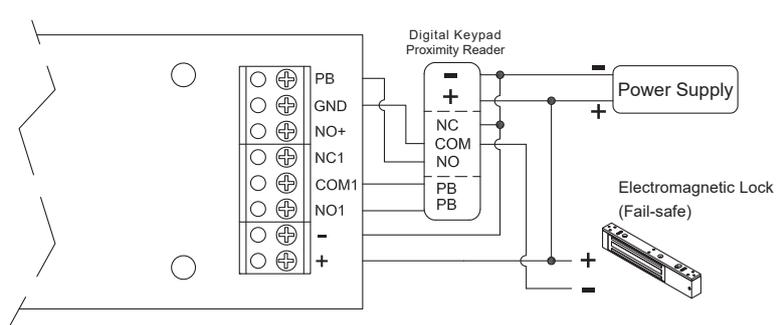
LED Indicator Setting

This setting indicates the LED is RED when on standby and will switch to Green when the bar is depressed.

This setting indicates the LED is GREEN when on standby and will switch to Red when the bar is depressed.

Place the jumper across the pins horizontally, not vertically.