

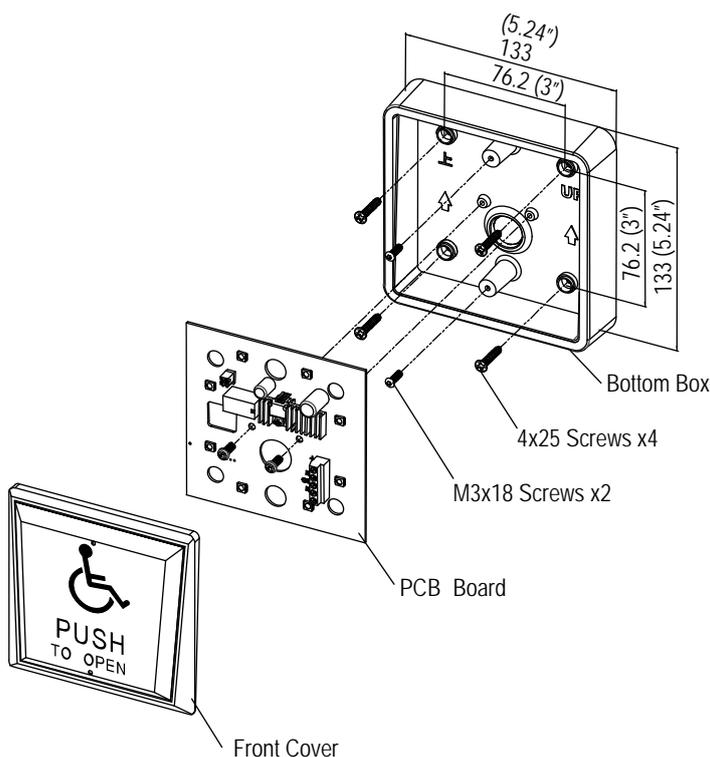
PBT-950 Series - LED Push Plate Exit Buttons Installation Instructions

General Descriptions

GEM's NEW line of LED illuminated push plate exit buttons are designed to provide maximum visibility. The PBT-930 model features a field selectable green/red illumination (Blue/red is available for PBT-950). The full-featured PBT-940WT and PBT-960WT offer a HOPPING CODE RF wireless transmitter for wired/wireless retrofit applications and also come with a wireless controller for up to 15 units.

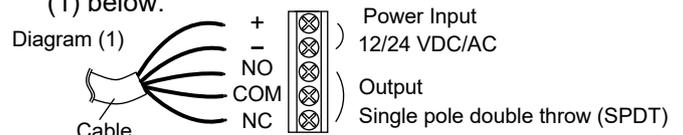
Features

- Stainless and impact resistant illuminated surface mount box
- Super-bright, high efficiency LED technology
- LED Red/Green & Red/Blue illuminations to show door locked/unlocked status
- HOPPING CODE RF wireless transmitter remote function available for PBT-940WT & PBT-960WT

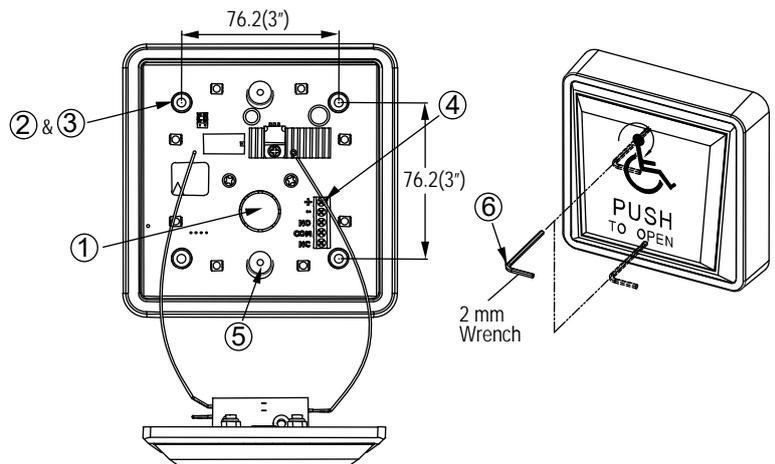


Installation Steps

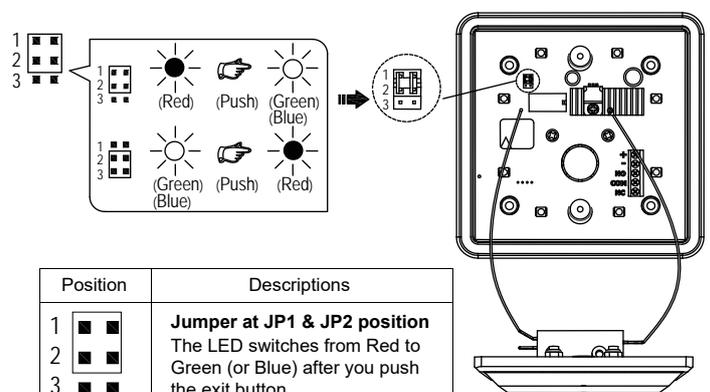
- ① Determine the wire access location and drill a hole of sufficient size, or use center knock-out plug.
- ② Drill the 4 required mounting holes 1/8" min (3.2mm). There are 4 indents provided on 3" (76.2mm) centers for your convenience.
- ③ Pull wiring through access hole, and mount the box to wall using 4 screws (4x25 screws).
- ④ Remove circuit board from package and locate into the box with terminal strip at top. Wire as per Diagram (1) below.



- ⑤ Connect power and test for proper operation.
- ⑥ Screw in two M3x18 screws provided with the exit button into the threaded center inserts, then attach wires to the front cover and install the front cover over screws. Using the Allen key (provided), locate the screws and tighten (by hand only). Complete the installation.



Jumper Settings for LED Illuminations

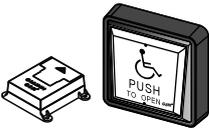
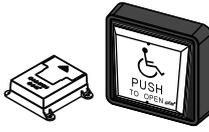


Position	Descriptions
1 2 3	Jumper at JP1 & JP2 position The LED switches from Red to Green (or Blue) after you push the exit button.
1 2 3	Jumper at JP2 & JP3 position The LED switches from Green (or Blue) to Red after you push the exit button.

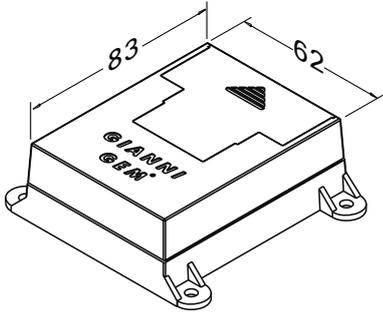
* Factory default setting: Jumper at JP1 & JP2 position.

Specifications

MODELS	PBT-920	PBT-925	PBT-926	PBT-925BLED	PBT-925GLED	PBT-926BLED	PBT-926GLED
Products							
Dimensions (LxWxD)	133x133x30mm						
Faceplate Material	Stainless Steel						
Voltage	—	—	—	12/24 VAC/DC			
LED Red Illumination	—	—	—	●	●	●	●
LED Green Illumination	—	—	—	—	●	—	●
LED Blue Illumination	—	—	—	●	—	●	—
Contacts	NO./COM./NC. (SPDT)						
Contact Rating	15A/125 or 250VAC			0.5A/120VAC or 1A/24VDC			
Hopping Code RF Wireless	—						
RF Wireless Controller	—						

MODELS	PBT-930	PBT-940WT	PBT-950	PBT-960WT
Products				
Dimensions (LxWxD)	133x133x30mm			
Faceplate Material	Stainless Steel			
Voltage	12/24 VAC/DC			
LED Red Illumination	●	●	●	●
LED Green Illumination	●	●	—	—
LED Blue Illumination	—	—	●	●
Contacts	NO./COM./NC. (SPDT)			
Contact Rating	0.5A/120VAC or 1A/24VDC			
Hopping Code RF wireless	—	●	—	●
RF Wireless Controller	—	●	—	●

PBT-940WT/960WT Specifications

 <p>WIRELESS CONTROLLER (Receiver)</p>	Operating Voltage: 12~24 VAC/DC
	Current Draw: Pull in: 50mA/12 VDC ,Holding: 20mA/12 VDC Pull in: 70mA/24 VDC, Holding: 40mA/24 VDC
	Output: 1 relay (N.O./COM/N.C.)
	Contact Rating: 3A @ 12VDC
	Buzzer: The controller starts beeping when the battery is lower than 9.2VDC
	LED Indicator: Green indicates power status Red indicates input and output status
	Relock Time Setting: 1, 3, 5, 10 seconds
	Quantities of remote transmitter devices: Up to 15 pcs
	Dimensions: 83(L)X 62(W) X 30(D) mm
	Operating Voltage: 12/24 VAC/DC
 <p>Transmitter</p>	Current Draw: Pull in: 100mA/12 VDC ,Holding: 80mA/12 VDC Pull in: 145mA/24 VDC, Holding: 115mA/24 VDC
	Transmitting Frequency: 433 KHz
	Distance: 50~60 meters
	Embedded Modules: Hopping Code IC

Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1-year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.