



## 5277 SERIES PIEZO SWITCH

**Heavy Duty  
Stainless Steel  
Button and Plate**

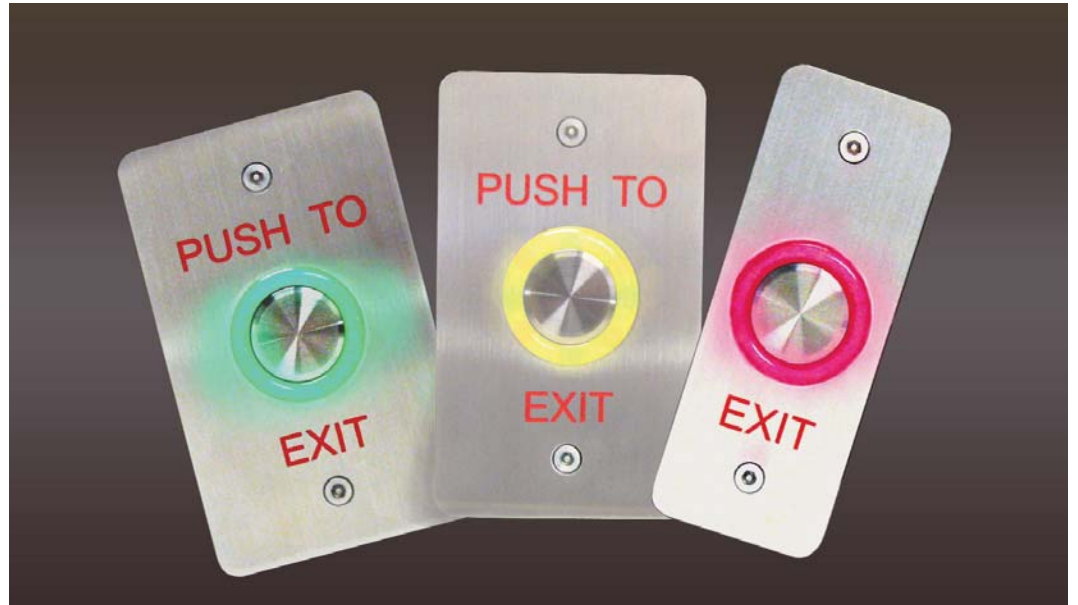
**Weather Proof**

**Adjustable Timer  
1 to 60 Seconds**

**Toggle Mode  
ON /OFF**

**Narrow Jamb  
Mount Available**

**Status Indicating  
LED Ring**



**Designed for use in abusive applications:**

The 5277-PZL Series Piezo Switch is extra rugged and Weather resistant so it can withstand the rigors and abuse of everyday use. It is an industrial strength switch designed for heavy usage applications. It is constructed with a stainless steel mounting plate and sealed electronics enclosure. The stainless steel Piezo button requires just a light touch to activate.

**Adjustable Timer:**

The 5277-PZL Series Piezoelectric Switch has an integrated time delay adjustable from 1 thru 60 seconds. It can be used to control automatic doors, electric strikes or electromagnetic locks. There is also a Toggle (on/off) mode for maintained functionality.

**Tricolor LED Status Indicator:**

The 5277-PZL Series features a tricolored LED illuminated ring. The output is jumper selectable to show Relay On or Relay Off status with options for red, green, yellow or no illumination. The LED ring may also be independently controlled to indicate door or lock state .

**Interlock & Mantrap Applications:**

The highly visible LED ring may be independently controlled and used to indicate door status for access to Mantraps & Interlocks

**Access Control Applications:**

When used in conjunction with access control software/hardware, the DC power to the maglock is routed through the set of normally closed contacts to assure unlocking of the maglock when the 5277-PZL Push button is activated. Simultaneously, a separate set of normally open contacts signal the access control system of a request to exit (R-E-X).

**Rugged Construction:**

The 5277-PZL series is mounted on a 1/8" thick Stainless Steel back plate. Mounting screws are furnished in Phillips head and Pin in Hex tamper resistant (hex key included) screws are all stainless steel for corrosion protection.

**Versatile Mounting:**

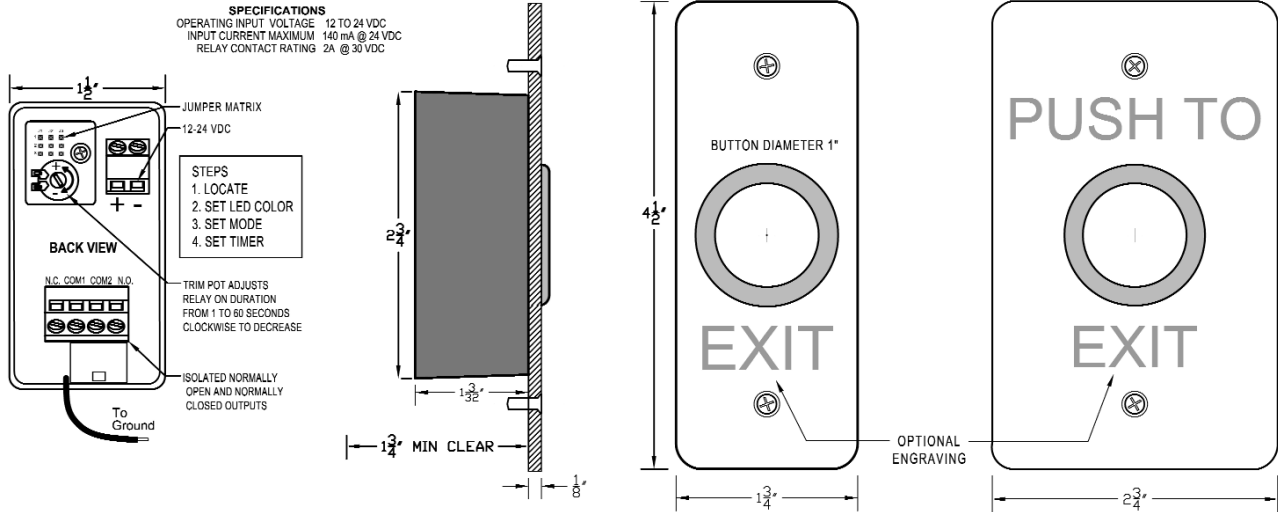
The choice of single gang "W" series or narrow "N" series jamb mount version covers a wide variety of installation applications. The device mounts to a standard single gang switch box, or mortise mounted into a door jamb. A Neoprene gasket is supplied with all switches.

**Text Engraving Options:**

The 5277-PZL series has standard and custom engraving options to suit the particular application. Standard Red filled lettering stands out for easy reading; or specify custom text and color per the requirements of the job.



# 5277 SERIES PIEZO SWITCH



## Model Descriptions:

- W5277-PZL=1 Set NO 1 Set NC contacts with Tricolor LED Indicator Ring Single gang Stainless Steel Switch Plate
- W5277-PZLxE1=1 Set NO 1 Set NC contacts with Tricolor LED Indicator Ring Single gang Stainless Steel Plate Engraved "PUSH TO EXIT" (red text)
- W5277-PZLxE3=1 Set NO 1 Set NC contacts with Tricolor LED Indicator Ring Single gang Stainless Steel Plate Engraved "EXIT" (red text)
- N5277-PZL=1 Set NO 1 Set NC contacts with Tricolor LED Indicator Ring Narrow 1-3/4" Stainless Steel Plate
- N5277-PZLxE3=1 Set NO 1 Set NC contacts with Tricolor LED Indicator Ring Narrow 1-3/4" Stainless Steel Plate Engraved "EXIT" (red text)

xE6 to Specify Custom Engraving.

## Electrical Specifications:

- Input Voltage: 12 to 24 VDC
- Relay Outputs: 2 Isolated Outputs One Normally Open One Normally Closed
- Relay life: 1/2 Million cycles 1A@30VDC 1/4 Million cycles 2A@30VDC
- Current draw: Relay On, LED's On: 140mA @24VDC
- LED Illumination: (Jumper selectable) Relay OFF: Red, Green Or No LED Illumination. Relay ON: Red, Green Or No LED Illumination
- LED status may be externally controlled (see mounting instructions for operation)

- Switch Operating Environment: Piezo button switch life: 1 Billion cycles Indoor & Outdoor (meets IP-65)
- Operating Temperature: -31F to 151F, -35C to 66C
- Operating Humidity: 0 to 85% (non-Condensing)

- Dimensions: W =1-Gang 4-1/2" H x 2-3/4" W N =Narrow 4-1/2" H x 1-3/4" W



UL Listed for Access Control ANSI/UL 294

## Specification Guide:

Switch controls shall be by Dortronics Systems, Inc. Piezo push button station controls shall be Time Delay type. One Normally Open One Normally Closed Rated 2A 30VDC Resistive

Time delay station controls shall be adjustable from 1 - 60 seconds

### LED Illumination Status:

Jumper selectable  
Relay OFF: Red, Green Or No LED Illumination.  
Relay ON: Red, Green Or No LED Illumination  
 LED status may also be externally controlled independent of the relay state.

Unless noted otherwise, push button switch assemblies shall be flush wall mounted to standard, recess mounted, electrical boxes. Mounting screws will be phillips head or flat head Pin-in-Hex tamper resistant type stainless steel as required.

Push buttons and mounting plates shall be constructed of Stainless Steel with smooth edges on all four sides. A neoprene gasket is included for exterior weather resistant mounting. Plate finish shall be Satin Stainless steel Optional text will be Engraved and paint filled.



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