

# EX-06

## Flush Mount Piezoelectric Button



Rosslare's EX-06 is a part of a powerful line of high quality piezoelectric switches. Designed in mind of industrial and high-risk environmental requirements, the EX-06 will adapt well in mines, oil rigs and refineries, military installations and more. The switch can be used in many hi-demanding applications, from heavy machinery and mechanical operation panels, to access control systems or direct door control.

The EX-06 with no moving parts is extremely reliable, resilient and robust yet is encased in an elegant design within a modern case suitable for use by architects and designers.

### GENERAL DESCRIPTION

Rosslare's EX-06 is a heavy duty, non-sparking, non-magnetic, corrosion resistant, illuminated, anti-vandal, timed analog switch, designed for both indoor and outdoor use.

It features solid state Piezoelectric Switch Technology generating a dry contact N.O. and N.C relay pulse simply by the touch of a finger, with no physical movement or moving parts.

Select brilliant red, vibrant green or no illumination as a status indicator with the jumper selectable illumination status feature.

### MAIN FEATURES

- Advanced soft touch piezoelectric switch
- New weatherproof design – water and dust proof, grease, oil and other chemical solvent repellent
- Circuit assembly encapsulation
- Vandal resistant
- Stainless steel mounting plate and tactile button with no moving parts

- Mounting Method Single Gang: Mounts directly to a US gang switchbox
- Backed by Rosslare's International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

### PROFESSIONAL GRADE FEATURES

- Non-sparking, non-magnetic, corrosion resistant
- Light ring status indicator and accidental activation hindrance
- Adjustable Output and LED indication time of 1 to 60 seconds
- Output and indication Toggle option
- Jumper Selectable Illumination Status: Red, Green, or No Illumination
- One Relay with two 2-Ampere outputs for separate application wiring: N.O. and N.C.

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	10–24 VDC
■ Outputs	One dry contact relay with two separate outputs One Normally Open, One Normally Closed 2 A
■ Input Current, Max	Standby 15 mA @ 24 VDC Maximum 140 mA @ 24 VDC
■ Button Switch Lifespan	Over 1 Billion Cycles
■ Relay Expectancy	100,000 @ 2 A 30 VDC 500,000 @ 1 A 30 VDC

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for indoor and outdoor use (meets IP-65)
■ Operating Temperature Range	-35°C to 66°C (-31°F to 151°F)
■ Operating Humidity Range	0 to 85% (non-condensing)

## PHYSICAL SPECIFICATIONS

■ Material	Stainless steel faceplate and button cup
■ Dimensions	11.4 x 7 x 3.2 cm (4.5 x 2.75 x 1.25 in.)
■ Weight	238 g (8.4 oz.)

## OPERATIONAL SPECIFICATIONS

■ Output Mode	Selectable Toggle or timed Pulse
■ Pulse and Led indication time	Selectable 1–60 seconds
■ Led indicator	Off, Red, and Green

## AVAILABLE MODELS

■ EX-0600	No Text
■ EX-06E0	“PUSH TO EXIT”
■ MP-06	External mounting metal box

## SYSTEM COMPONENTS

The EX-06 is compatible with all switch operated electrical devices. The unit also works with all of Rosslare’s Access control units as well as all standard access control systems.

## PRODUCT WARRANTY

5-year limited product warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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