

# EX-17

## Non-sparking Digital Tactile Switch



ROSSLARE'S EX-17 IS A PART OF A POWERFUL LINE OF HIGH QUALITY PIEZOELECTRIC SWITCHES. DESIGNED WITH INDUSTRIAL AND HIGH-RISK ENVIRONMENTAL REQUIREMENTS IN MIND, THE EX-17 ADAPTS WELL IN MINES, OIL RIGS AND REFINERIES, MILITARY INSTALLATIONS, AND MORE. THE ADVANCED DIGITAL SWITCH OFFERS FEATURES SUCH AS BUZZER MODE, LIGHTING MODE, AND FULL DUAL-RELAY OUTPUT. IT CAN BE USED IN MANY HIGH-DEMANDING APPLICATIONS, FROM HEAVY MACHINERY AND MECHANICAL OPERATION PANELS, TO ACCESS CONTROL SYSTEMS OR DIRECT DOOR CONTROL.

**REDDOT DESIGN AWARD WINNER 2010.**

### GENERAL DESCRIPTION

Rosslare's EX-17 is a heavy duty, non-sparking, non-magnetic, corrosion resistant, illuminated, anti-vandal, timed digital switch, designed for both indoor and outdoor use.

It features solid state Piezoelectric Switch Technology generating two isolated Form C output relays with no physical movement or moving parts. Among its many features are: Jumper selectable illumination status with light dimming option, buzzer mode, full dual-relay output, and timed operation and relay toggle option.

The EX-17 mounts directly to a standard US-sized gang switchbox and is crafted to the highest manufacturing standards out of the finest materials under Rosslare's ISO 9001:2008 Certified Quality standards.

### MAIN FEATURES

- Advanced soft touch piezoelectric switch
- New weatherproof design – water and dust proof, grease, oil and other chemical solvent repellent

- Vandal resistant
- Stainless steel mounting plate and tactile button with no moving parts
- Mounting Method Single Gang: Mounts directly to a US gang switchbox

### PROFFESIONAL GRADE FEATURES

- Non-sparking, non-magnetic, corrosion resistant
- 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
- Built-in buzzer with alarm input and sound upon button press options
- Two separate full form-C relay outputs for separate application wiring: N.O. and N.C.
- Input for external lighting alerts for evacuation and other applications

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	12– 24 VAC/VDC
■ Outputs (4 A, dual 2 + 2)	One dry contact relay with two separate full Form C outputs
■ Input Current, Max	Standby 15 mA @ 24 VDC Maximum 150 mA @ 24 VDC
■ Button Switch Lifespan	Over 1 billion cycles
■ Relay Expectancy	100,000 @ 2 A 24 VDC 500,000 @ 1 A 24 VDC

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for indoor and outdoor use (meets IP-65)
■ Operating Temperature	-35°C to 66°C (-31°F to 151°F)
■ Operating Humidity	0 to 95% (non-condensing)

## PHYSICAL SPECIFICATIONS

■ Material	Stainless steel faceplate and button
■ Dimensions	11.4 x 4.4 x 3.2 cm (4.5 x 1.75 x 1.25 in.)
■ Weight	205 g (7.2 oz)

## OPERATIONAL SPECIFICATIONS

■ Output Mode	Selectable Toggle or Timed Pulse
■ Input Mode	Selectable LED control or alarm
■ Pulse and Led Indication Time	Selectable 1–60 seconds
■ Led Indicator	Off (dims upon button press), red, and green (color changes gradually)
■ Buzzer Mode	Off, On (selectable between alarm input mode and buzzer beep upon button press mode)
■ External lighting alert input	For evacuation and other applications

## AVAILABLE MODELS

■ EX-1700	No Text
■ EX-17E0	“EXIT”
■ MP-16	External mounting metal box

## SYSTEM COMPONENTS

The EX-17 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, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company’s three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

[www.rosslaresecurity.com](http://www.rosslaresecurity.com)

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