

# EX-H04/M04

## Sensitive Piezoelectric Button Switches



Rosslare's EX-H04 and EX-M04 are high quality piezoelectric switches. Designed with industrial and high-risk environmental requirements in mind, the EX-H04 and EX-M04 are perfect for offices, shops, industrial installations, and more. The switches 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-H04 and EX-M04, with no moving parts, are extremely reliable and resilient, yet are encased in an elegant design within a modern case suitable for use by architects and designers.

### GENERAL DESCRIPTION

The EX-H04 and EX-M04 are sensitive piezoelectric button switches. These new access control switches are designed as flush mounting for US and UK electric boxes with piezoelectric technology. The switches have a red/green LED ring to display the switch status.

The switches are designed as Request-to-Exit (REX) buttons for access control systems; direct activate electric strike, or magnet locks with up to 30 VDC and 1 A.

### MAIN FEATURES

- Advanced soft touch piezoelectric switch
- New weatherproof design – water and dust proof
- Circuit assembly encapsulation

- No moving parts
- Mounting Method – Single Gang: Mounts directly to a US (EX-H04) or UK (EX-M04) gang switchbox

### PROFESSIONAL GRADE FEATURES

- Light ring status indicator and accidental activation hindrance
- External LED control wire

# SPECIFICATIONS

## ELECTRICAL CHARACTERISTICS

■ Operating Voltage Range	8– 30 VDC
■ Switch Voltage	30 VDC [OC]
■ Outputs	Normally open (transistor output open collector)
■ Wire Leads (Switch Output)	2 x 24 AWG 280 mm (11.02 in.) length (UL 1569) blue wires
■ +VDC and Ground	Red and black wires for LED Power
■ Button Switch Lifespan	Over 1 million cycles

## ENVIRONMENTAL CHARACTERISTICS

■ Operating Environment	Suitable for indoor and outdoor use
■ Operating Temperature Range	-10°C to 50°C (14°F to 122°F)
■ Operating Humidity Range	10% to 90%

## PHYSICAL CHARACTERISTICS

■ Dimensions	EX-H04: 114 x 70 x 10 mm (4.5 x 2.8 x 0.4 in.) EX-M04: 92 x 92 x 10 mm (3.6 x 3.6 x 0.4 in.)
■ Weight	EX-H04: 50 g (1.8 oz.) EX-M04: 55 g (1.9 oz.)

## SYSTEM COMPONENTS

The EX-H04 and EX-M04 are 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

2-year limited product warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures 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).

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