

EX-H22N / EX-M22N

Passive Infrared Anti-Vandal Motion Sensor Switches



EX-H22N

EX-M22N

Rosslare's EX-H22N and EX-M22N are high quality infrared switches. Designed with industrial and high-risk environmental requirements in mind, the EX-H22N/EX-M22N adapt well in 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.

WITH NO MOVING PARTS, THE EX-H22N/EX-M22N ARE EXTREMELY RELIABLE, RESILIENT AND ROBUST, YET ARE ENCASED IN AN ELEGANT DESIGN WITHIN A MODERN CASE SUITABLE FOR USE BY ARCHITECTS AND DESIGNERS.

GENERAL DESCRIPTION

The EX-H22N/EX-M22N are passive infrared motion sensors (no touch switch). The new access control switches are designed as anti-vandal and are suitable for installation in harsh environments and demanding applications. 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.

MAIN FEATURES

- Advanced passive infrared motion sensor switch

- New weatherproof design – water and dust proof
- Circuit assembly encapsulation
- No moving parts
- Mounting Method Single Gang: Mounts directly to a US (EX-H22N) and UK (EX-M22N) gang switchbox

PROFESSIONAL GRADE FEATURES

- Light ring status indicator and accidental activation hindrance
- External LED control wire, can perform as a traffic light
- Stainless steel (SUS304) front panel

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 |

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% |
| ■ Storage Temperature Range | -20°C to 60°C (-4°F to 140°F) |

PHYSICAL CHARACTERISTICS

| | EX-H22 | EX-M22 |
|--------------|---|--|
| ■ Dimensions | 114 x 70 x 17.8 mm (4.5 x 2.8 x 0.7 in.) | 86 x 86 x 17.8 mm (3.4 x 3.4 x 0.7 in.) |
| ■ Weight | 193.1 g (6.8 oz.) | 179.1 g (6.3 oz.) |

SYSTEM COMPONENTS

The EX-H22N/EX-M22N are compatible with all switch operated electrical devices.

The units also work 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 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.

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