AY-HR12B

US Single Gang PROX Reader

Rosslare's AY-HR12B is a powerful RFID proximity card reader of 125 kHz cards and tags, featuring Wiegand 26-Bit output format and a read range of up to 12 cm (4.72 in.). With a sleek design and a tough UV-resistant and water-resistant casing, the AY-HR12B is equally suited to indoor and outdoor use, and is both economical and reliable.

The AY-HR12B is certified for compliance with all leading International Safety and Access Control standards.

GENERAL DESCRIPTION

The AY-HR12B with Wiegand 26-Bit output format reads RFID 125 kHz ASK-type EM cards. The unit is designed for easy mounting with hidden screws (security screws may be used to enhance strength) and cover. Optical tamper adds protection against wall removal, and the buzzer adds audible RFID card read. LED control provides system based information to the end user.

MAIN FEATURES

- Wiegand 26-Bit output format
- Excellent RFID card read range up to 12 cm (4.72 in.)*
- Wide range operating voltage: 5 to 16 VDC
- 45 cm (18 in.) pigtail, 6-conductor cable

PROFESSIONAL GRADE FEATURES

- RF Modulation: ASK at 125 kHz
- Internal buzzer
- LED color control input
- Optical wall tamper detection
- Water-resistant with epoxy potting (IP68), suitable for indoor and outdoor applications
- Made of tough polycarbonate UV-resistant plastic
- Comes with mounting template for easier installation

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC, from a regulated power supply
■ Standby Input Current	35 mA
■ Maximum Input Current	100 mA
■ LED Control	Dry Contact, N.O.
■ Proximity Card Reader	Maximum read range*: 12 cm (4.72 in.) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM cards * Measured using a Rosslare proximity card or equivalent. Range also depends on electrical environment and proximity to metal.
■ Tamper Output	Optical back tamper sensor, O.C. active low 16 mA max sink current

OPERATIONAL SPECIFICATIONS

■ Output Format	Wiegand 26-Bit
■ Audio/Visual	Bi-color LED indicator, built-in sounder
■ Design	Epoxy-potted, fully-sealed in a rugged polycarbonate enclosure. Suitable for harsh environments.

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use (IP68)
■ Operating Temperature	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity	0% to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	109.91 x 74.91 x 15 mm (4.33 x 2.95 x 0.59 in.)
■ Weight	100 g (3.53 oz)
SYSTEM COMPONENTS	The AY-HR12B is compatible with a variety of Rosslare's access controllers, as well as with many third-party 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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