

AY-V12

Medium-Range Proximity Reader



The compact AY-V12 offers the best solution for medium-range RFID proximity readers for standard passive proximity cards and tags at an affordable cost. Aside of its small size and ease of use, this reader provides the same features that come standard in all of Rosslare's readers and controllers – high quality, durability, and aesthetic design.

GENERAL DESCRIPTION

The AY-V12 is the low-cost solution for security situations that require a compact, medium-range proximity reader.

It is both easy to install and easy to use, and the state-of-the-art design and small footprint is ideal for indoor/outdoor access control.

The AY-V12 features an output format of standard Wiegand 26-Bit, which allows it to work with most controllers. For added convenience, the reader also contains two LED indicators that show the unit's status upon power up and the status for card reading attempts.

MAIN FEATURES

- Wiegand 26-Bit output format
- RFID read range up to 22 cm (9 in.)
- Operating voltage range of 5 to 16 VDC
- 46-cm (18") pigtail cable

PROFESSIONAL GRADE FEATURES

- RF Modulation: ASK at 125 kHz
- Compatible with standard, passive EM type, cards and tags
- Internal buzzer
- LED control input
- Optical wall tamper detection
- Suitable for outdoor use (IP54)
- Made of tough polycarbonate UV-resistant plastic

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC, from a regulated power supply
■ Standby Input Current	120 mA @ 12 VDC
■ Maximum Input Current	140 mA @ 12 VDC
■ Proximity Card Reader	Maximum read range*: 22 cm (9 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 the electrical environment and proximity to metal.
■ Tamper Output	Open collector, active low, max. sink current 30 mA
■ LED Control Input	Dry Contact, N.O.

OPERATIONAL SPECIFICATIONS

■ Output Format	Wiegand 26-Bit
■ Audio/Visual	Bi-colored 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 (IP54)
■ Operating Temperature Range	-32°C to 63°C (-25°F to 145°F)
■ Operating Humidity Range	0% to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	125 x 125 x 21mm (4.9 x 4.9 x 0.8 in.)
■ Weight	285 g (10.1 oz)

SYSTEM COMPONENTS

The AY-V12 is compatible with a variety of Rosslare's 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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