AY-Q12

Anti-Vandal Wiegand 26-Bit Proximity Reader

ROSSLARE'S AY-Q12 IS A UNIQUE COMBINATION OF RFID PROXIMITY READER WITHIN A METALLIC HOUSING. THIS FULLY SEALED, EPOXY POTTED UNIT PROVIDES A WEATHERPROOF AND VANDAL-RESISTANT SOLUTION FOR EXTREMELY HARSH ENVIRONMENTS. THE READER OPERATES WITH 125 KHZ PROXIMITY CARDS AND TAGS, WITH WIEGAND 26-BIT OUTPUT AND A READ RANGE OF UP TO 55 MM (2 IN.).

THE AY-Q12 IS CERTIFIED FOR COMPLIANCE WITH ALL LEADING INTERNATIONAL SAFETY AND ACCESS CONTROL STANDARDS.

GENERAL DESCRIPTION

The AY-Q12 with Wiegand 26-Bit output format reads RFID 125 KHz ASK-type EM cards from a range of up to 55 mm (2 in.)*.

It is designed for easy strength and 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 notification. LED control provides system based information to the end user.

MAIN FEATURES

- Wiegand 26-Bit output format
- High strength design, epoxy potted, fully sealed within an all-metallic housing

- Excellent RFID card read range up to 55 mm (2 in.)
- Wide range operating voltage: 5 to 16 VDC
- 60 cm (23.6 in.) shielded interface cable

PROFESSIONAL GRADE FEATURES

- RF Modulation: ASK at 125 kHz
- Internal buzzer
- LED color control input
- Optical wall tamper detection
- suitable for indoor and outdoor use
- Comes with mounting template for easier installation

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪	Operating Voltage Range	5–16 VDC, from a regulated power supply
▪	Input Current	Standby: 35 mA at 12 VDC Maximum: 100 mA at 12 VDC
▪	LED Control	Dry Contact, N.O.
▪	Proximity	Maximum read range*: 55 mm (2 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	Open collector, active low, max sink current 16 mA

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	suitable for Indoor and outdoor use
▪	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	120 x 76 x 27 mm (4.7 x 3.0 x 1.0 in.)
▪	Weight	521 g (1.2 lbs)

SYSTEM COMPONENTS	The AY-Q12 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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