AY-K12

Micro-Mullion PROX Reader

ROSSLARE'S AY-K12 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 3.15 IN. (80 MM).

WITH A MINIATURE, SLEEK DESIGN AND A TOUGH, UV AND WATER-RESISTANT CASING, THE AY-K12 IS EQUALLY SUITED TO INDOOR AND OUTDOOR USE, AND IS BOTH ECONOMICAL AND RELIABLE.

THE AY-K12 IS CERTIFIED FOR COMPLIANCE WITH ALL LEADING INTERNATIONAL SAFETY AND ACCESS CONTROL STANDARDS.

GENERAL DESCRIPTION

The AY-K12 with Wiegand 26-Bit output format reads RFID 125 KHz ASK-type EM cards from a range of up to 3.15 in. (80 mm). 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 notification. LED control provides system based information to the end user.

The AY-K12 is crafted out of the finest materials and to the highest manufacturing standards under Rosslare's ISO 9001:2008 Certified Quality standards.

MAIN FEATURES

- Wiegand 26 Bit output format
- Excellent RFID card read range up to 3.15 in. (80 mm)
- Wide range operating voltage: 5 to 16 VDC
- 23.6 in. (60 cm) shielded interface cable

- Backed by Rosslare's International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

PROFESSIONAL GRADE FEATURES

- RF Modulation: ASK at 125 kHz
- Internal buzzer
- LED color control input
- Optical wall tamper detection
- Water-resistant with epoxy potting (IP65) 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
■ Input current	Standby: 35 mA at 12 VDC Maximum: 50 mA at 12 VDC
■ LED Control	Dry Contact, N.O.
■ Proximity	Maximum read range*: 3.15 in. (80 mm) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.
■ Tamper	Optical back tamper sensor, O.C. active low 16mA max sink current

OPERATIONAL SPECIFICATIONS

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

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use (IP65 rated)
■ Operating Temperature	-25°F to 145°F (-31°C to 63°C)
■ Operating Humidity	0 to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions	3.1 x 1.6 x 0.5 in. (80 x 40 x 12.8 mm)
■ Weight:	0.155 lbs (70.5 g)

SYSTEM COMPONENTS	The AY-K12 is compatible with a variety of Rosslare's access controllers, as well as with many third party access control systems. A Mounting spacer is available for installations over metallic surface.
PRODUCT WARRANTY	5-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing 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).

Visit our website: www.rosslaresecurity.com

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