

AY-K12

Micro Mullion Proximity 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 80mm (3.15 inches). 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 80 mm (3.15")*.

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 9001:2000 Certified Quality standards.

* Based on Rosslare's AT-R14 proximity cards



Main Features

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



Product Specifications

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| ELECTRICAL CHARACTERISTICS | |
| • Operating Voltage Range: | 5-16 VDC, from a regulated power supply. |
| • Input Current: | Standby: 35mA at 12 VDC Maximum: 50mA at 12 VDC |
| • LED Control: | Dry Contact, N.O. |
| • Proximity: | Maximum read range*: 80mm (3.15") Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards <small>* Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.</small> |
| • Tamper: | Optical back tamper sensor, O.C. active low 16mA max sink current |
| OPERATIONAL CHARACTERISTICS | |
| • Output Format: | Wiegand 26 Bits |
| • Audio/Visual: | Bi-color LED indicator, Built-in sounder |
| • Design: | Epoxy potted, fully sealed in a rugged polycarbonate enclosure. Suitable for harsh environments. |
| ENVIRONMENTAL CHARACTERISTICS | |
| • Operating Environment: | Water resistant, suitable for outdoor use (IP65 rated) |
| • 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 CHARACTERISTICS | |
| • Dimensions: | 80mm x 40mm x 12.8mm (3.1" x 1.6" x 0.5") |
| • Weight: | 70.5g (0.155 lbs) |

System Components

The AY-K12 is compatible with a variety of Rosslare's access controllers (AC-215, AC-115, AC-020, AC-015), as well as with many third party access control systems.

A Mounting spacer is available for installations over metallic surface.



Additional Information

The AY-K12 is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:
<http://www.rosslaresecurity.com>.



CFR47 Part 15b Certified



UL-294 Listed for Access Control System Units

