

AY-J14

Mini Mullion Clock & Data Proximity Reader

Rosslare's AY-J14 is a powerful RFID proximity card reader of 125 KHz cards and tags, featuring Clock & Data output format and a read range of up to 100 mm (3.94 inches). With a sleek design and a tough, UV-resistant and water-resistant casing, the AY-J14 is equally suited to indoor and outdoor use, and is both economical and reliable.

The AY-J14 is certified for compliance with all leading International Safety and Access Control standards.

General Description

The AY-J14 with Clock & Data output format reads RFID 125 KHz ASK-type EM cards from a range of up to 100 mm (3.94")*.

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-J14 is crafted to the highest manufacturing standards out of the finest materials 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 100 mm (3.94").
- 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

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*: 100mm (3.94") 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:	Clock & Data
• 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:	119.9mm x 41.9mm x 14mm (4.72" x 1.65" x 0.55")
• Weight:	88.5g (0.195 lbs)

System Components

The AY-J14 is compatible with a variety of Rosslare's AC-215 as well as with many third party access control systems. A Mounting spacer is available for installations over metallic surface.



Additional Information

The AY-J14 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

