

AY-K20

Micro Mullion Multi Format Proximity Reader

Rosslare's AY-K20 is a powerful RFID proximity card reader of 125 KHz cards and tags, featuring multi-format output and an excellent read range. The reader supports both standard EM and Rosslare Format cards, and is highly flexible with behavior control options. With a sleek design and a tough UV-resistant and water-resistant casing, the AY-K20 is equally suited to indoor and outdoor use.

General Description

The AY-K20 with selectable output format reduces stocking costs, while offering various control options such as Hold, Buzzer and multi-LED Color control.

Supporting the Rosslare Format for card reading, this reader offers a secure and economic solution where non-standard card formats should be used.

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.

* Based on Rosslare's AT-R14 proximity cards



Main Features

- Selectable output formats: Wiegand 26 Bit, Clock & Data and RS-232
- 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 sounder with external control option.
- Tri-color LED with external control inputs.
- External reader Hold control.
- 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	
<ul style="list-style-type: none"> Operating Voltage Range: Input Current: 	5-16 VDC, from a regulated power supply Standby: 65mA at 12 VDC Maximum: 50mA at 12 VDC
<ul style="list-style-type: none"> LED Control: Tamper: Buzzer Control: Hold Control: Proximity: 	Two control lines for Red, Green, Amber or no color. Dry Contact, N.O. Optical back tamper sensor, O.C. active low 16mA max sink current External control over sounder operation. Dry Contact, N.O. External reader disabling control. Dry Contact, N.O. Maximum read range*: 80mm (3.15") Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards, standard and Rosslare Format * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.
OPERATIONAL CHARACTERISTICS	
<ul style="list-style-type: none"> Output Format: Audio/Visual: Design: 	Selectable Wiegand 26 Bit, Clock & Data or RS-232 Tri-colored LED indicator, Built-in sounder Epoxy potted, fully sealed in a rugged polycarbonate enclosure. Suitable for harsh environments.
ENVIRONMENTAL CHARACTERISTICS	
<ul style="list-style-type: none"> Operating Environment: Operating Temperature: Operating Humidity: RFI Protection: 	Water resistant, suitable for outdoor use (IP65 rated) -31°C to 63°C (-25°F to 145°F) 0 to 95% (non-condensing) > 20 V/m up to 1000 MHz
PHYSICAL CHARACTERISTICS	
<ul style="list-style-type: none"> Dimensions: Weight: 	80mm x 40mm x 12.8mm (3.1" x 1.6" x 0.5") 70.5g (0.155 lbs)

System Components

The AY-K20 is compatible with a variety of Rosslare's controllers, as well as with many third party access control systems. A Mounting spacer is available for installations over metallic surface.



Additional Information

The AY-K20 is covered by Rosslare's 5-year Limited Product Warranty.

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

