AY-E20

Ultra-Slim Mullion PROX Reader

THE AY-E20 IS ONE IN A LINE OF HIGHLY SOPHISTICATED PROXIMITY CARD READERS DEVELOPED BY ROSSLARE, PIONEERS AND MARKET LEADERS IN THE ACCESS CONTROL FIELD. IDEAL FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS, THIS ULTRA-SLIM AND ATTRACTIVELY DESIGNED READER COMPLIMENTS ANY DÉCOR. THE UNIT IS WATER RESISTANT BUT DELICATE, AND IS SUITABLE FOR INDOOR OR OUTDOOR MOUNTING.

THE AY-E20 IS PACKED WITH ADVANCED FEATURES SUCH AS AN ULTRA-BRIGHT BI-COLOR LED INDICATOR, OPTICAL BACK TAMPER DETECTION, AND SELECTABLE CARD TRANSMISSION FORMATS. THE AY-E20 PROVIDES A HIGH LEVEL OF COMPATIBILITY AND CONNECTIVITY WITH HOST CONTROLLERS.

GENERAL DESCRIPTION

Rosslare's AY-E20 Multi-format RFID Proximity Card Reader is designed with a focus on high quality and reliability as our top priority, ideal for residential and commercial applications.

Easy to install and operate, the ultra-slim AY-E20 Multi-format RFID Proximity Card Reader features state-of-the art design. It has an internal buzzer, optical tamper detection, and selectable card transmission formats.

Versatile and user friendly, the unit can be programmed to transmit proximity card data in Wiegand 26-Bit, Clock & Data, or RS-232 formats. The AY-E20 is crafted out of the finest materials and to the highest manufacturing standards under Rosslare's ISO 9001:2008 Certified Quality standards.

MAIN FEATURES

- Ultra-slim flush-mount design on flat surface
- Reading distance: 3.5 cm (1.37 in.)

- Built-In 125 KHz ASK EM proximity card reader
- Internal buzzer provides audible interface feedback
- Bi-colored ultra bright LED indicator
- Fully potted, waterproof construction for outdoor use
- Mounting template for easier installation

PROFESSIONAL GRADE FEATURES

- Back tamper signal report in Wiegand format, with Rosslare's AC-015, AC-020, AC- 115, & AC-215, AC-225 and AC-525
- Selectable Card Transmission Formats: Wiegand 26-Bit, Clock & Data, or Serial RS-232 output

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5 to 16 VDC from a regulated power supply (power usually supplied from host controller)
■ Input Current	Standby: 40 mA @ 12 VDC Maximum: 100 mA @ 16 VDC
■ Tamper Output	Open collector, active low, 16 mA max sink current
■ Power Supply Type	Linear type recommended
■ Cable Distance to Host Controller	Up to 150 m (500 ft) using an 18-AWG cable
■ Proximity Card Read Range*	3.5 cm (1.37 in.)
■ Proximity Card Modulation	ASK at 125 KHz
■ Proximity Card Compatibility	EM cards
■ Card Transmit Format	Wiegand 26-Bit, Clock & Data, Serial RS232
■ LED Indicator	One bi-colored LED

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Outdoor usage Weather-resistant, meets IP68, epoxy potted
■ Operating Temperature	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity	0 to 95% (non condensing)

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	155 x 45 x 8 mm (6.10 x 1.77 x 0.31 in.)
■ Weight	135 g (4.76 oz)
SYSTEM COMPONENTS	The AY-E20 is compatible with a variety of Rosslare's Wiegand 26-bit supported single/double/multi door controllers (AC-215, AC-225, AC-525), proximity cards and key fobs, and many third-party access control systems.
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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