

## AY-E20

### Multi-format RFID Proximity Card Reader

The AY-E20 is one of a highly sophisticated line of proximity card readers developed by Rosslare, pioneers and market leaders in the access control field. Ideal for residential and commercial applications, this ultra-slim 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.

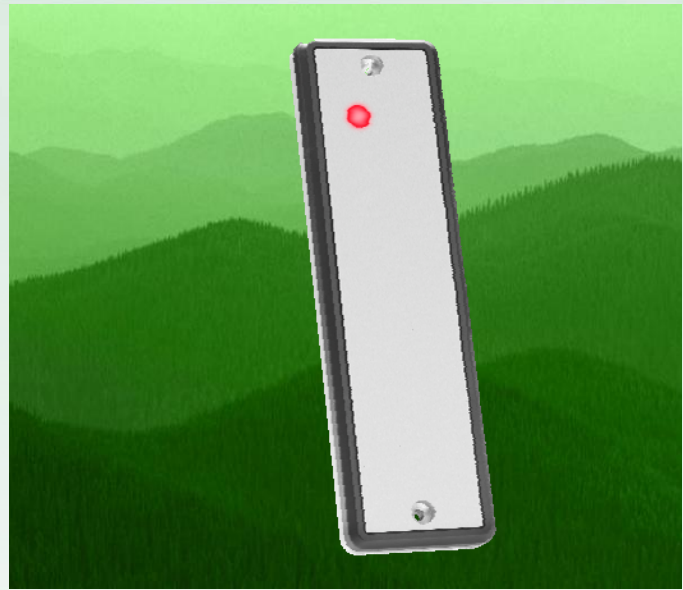
### General Description

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 26-Bit Wiegand, Clock & Data or RS-232 formats.

The AY-E20 Multi-format RFID Proximity Card Reader is crafted out of the finest materials and to the highest manufacturing standards under Rosslare's ISO 9001:2000 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: 26-Bit Wiegand, Clock & Data, or Serial RS-232 output
- Backed by Rosslare's International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

# AY-E20 Multi-format RFID Proximity Card Reader



## Product Specifications

ELECTRICAL SPECIFICATIONS	
• Power Supply Type	Linear type recommended
• Operating Voltage Range	5 - 16VDC
• Input Current Standby	40mA@12VDC
• Maximum Input Current	100mA@16VDC
• Tamper Output	Open collector, active low, 16mA max sink current
• Cable Distance to Host Controller	Up to 500ft (150 meters) using an 18AWG cable
• Proximity Card Read Range*	3.5cm (1.37inch)
• Proximity Card Modulation	ASK at 125 KHz
• Proximity Card Compatibility	EM cards
• Card Transmit Format	26-bit Wiegand, Clock & Data or Serial RS232
• LED Indicator	One bi-colored LED

ENVIRONMENTAL SPECIFICATIONS	
• Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
• Operating Humidity	0 to 95% (non condensing)
• Operating Environment	Outdoor usage Weather-resistant, meets IP-68, epoxy potted

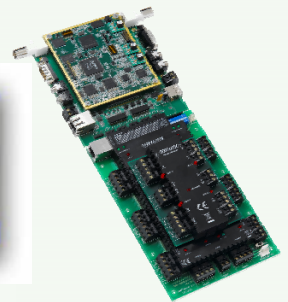
  

PHYSICAL SPECIFICATIONS	
• Dimensions (H x W x D)	155 x 45 x 8 mm (6.1x1.77x0.314 in)
• Weight	135 g (0.297lb)

\*Measured using Rosslare proximity card (AT-14) or equivalent. Range also depends on electrical environment and proximity to metal.

## System Components

The AY-E20 is compatible with a variety of Rosslare's Wiegand 26-bit supporting single/double/multi door controllers (AC-215, AC-225, AC-525), proximity cards and keyfobs, and many third party access control systems.



## Additional Information

The AY-E20 is a high-quality electronic product developed and manufactured under ISO9001:2000 and is covered by RSP 2-year Limited Product Warranty.

Please visit our website for documentation and sales information: <http://www.rosslaresecurity.com/>

