

## AY-Q12

### Anti Vandal Wiegand 26 Bit Proximity Reader

Rosslare's AY-Q12 is a unique combination of RFID proximity reader within a metallic housing. This fully sealed, epoxy potted unit provides weatherproof and vandal-resistant solution for extremely harsh environments. The reader operates with 125 KHz proximity cards and tags, with Wiegand 26-Bit output and a read range of up to 2 inch (6 cm).

The AY-Q12 is certified for compliance with all leading International Safety and Access Control standards.

### General Description

The AY-Q12 with Wiegand 26-Bit output format reads RFID 125 KHz ASK-type EM cards from a range of up to 2 inch (55 mm)\*.

Designed for easy strength and 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-Q12 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
- High strength design, epoxy potted, fully sealed within an all-metallic housing
- Excellent RFID card read range up to 55mm (2 inch)
- Wide range operating voltage: 5 to 16 VDC
- 60 cm (23.6 inch) 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
- Comes with mounting template for easier installation

# AY-Q12 Anti vandal Wiegand 26 Bit Proximity Reader



## Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage Range:	5-16 VDC, from a regulated power supply.
• Input Current:	Standby: 35mA at 12 VDC Maximum: 100mA at 12 VDC
• LED Control:	Dry Contact, N.O.
• Proximity:	Maximum read range*: 2 inch (55mm) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.
• 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 metal slim enclosure, high strength construction. Highly suitable for extremely harsh environments.
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Water resistant, suitable for outdoor use (IP65 rated)
• Operating Temperature:	-25°F to 145°F (-31°C to 63°C)
• Operating Humidity:	0 to 95% (non-condensing)
• RFI Protection:	> 20 V/m up to 1000 MHz
PHYSICAL CHARACTERISTICS	
• Dimensions:	4.72 x 3 x 1.06 inch (120 x 76 x 27 mm)
• Weight:	1.18 lbs (521g)

## System Components

The AY-Q12 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.



AC-015



AC-115



AC-525

## Additional Information

The AY-Q12 is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)



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