

AY-D12

Indoor Proximity Reader

The AY-D12 is one of a highly sophisticated line of proximity card readers developed by Rosslare, pioneers and market leaders in the smartcard technology field. Ideal for residential and commercial applications, this attractively designed reader compliments any décor.

The AY-D12 is packed with advanced features such as an ultra-bright LED indicator, tamper detection feature, bell button, and a reading distance of 100 mm (3.94 in). The AY-D12 supports multiple proximity card and keypad formats providing a high level of compatibility and connectivity with host controllers.

General Description

Rosslare's AY-D12 Indoor Proximity 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 US-gang-box sized AY-D12 Indoor Proximity Reader features state-of-the art smartcard technology. It has an internal buzzer, tamper detection, and a reading distance of 100 mm (3.94 in).

Versatile and user friendly, the unit can be programmed to transmit proximity card data in 26-Bit Wiegand format.

The AY-D12 Indoor Proximity Reader is crafted out of the finest materials and to the highest manufacturing standards under Rosslare's ISO 9001:2000 Certified Quality standards. CE, UL and FCC certification for Safety and Access Control Standards.



Main Features

- Wiegand 26-bit reader
- Reading distance: 100 mm (3.94 in)
- Internal buzzer provides audible interface feedback
- Bi-colored ultra bright LED indicator
- Fits US Gang box
- 4-wire terminal-block connections
- Indoor use
- Easy installation

PROFESSIONAL GRADE FEATURES

- Case tamper signal Wiegand codes reported , with Rosslare's AC-015, AC-020, AC-115, AC-215, AC-225, AC-425 & AC-525
- Door bell key signal reported by Wiegand codes, with Rosslare's AC-015, AC-020, AC-115, AC-215, AC-225, AC-425 & AC-525
- Backed by Rosslare's International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

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Product Specifications

ELECTRICAL SPECIFICATIONS	
• Operating voltage range	5 to 16V DC from a regulated power supply (power usually supplied from host controller)
• Input current	Standby 5 mA Maximum 110 mA
• LED control input	Dry contact, Normally Open (N.O.)
• Tamper output	Open collector, active low, maximum sink current is 32mA
• Sounder	Includes bell button with Rosslare's AC-015/020/115 & AC-215
BUILT-IN PROXIMITY READER	
• Read range*	100 mm (3.94 in); *Measured using Rosslare proximity card (AT-14) or equivalent
• Modulation options	Ask at 125KHz
• Transmission formats	26-Bit Wiegand: ASK at 125KHz
• Compatible cards	All 26-bit EM Cards
ENVIRONMENTAL SPECIFICATIONS	
• Operating environment	Suitable for indoor use (meets IP-65)
• 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 SPECIFICATIONS	
• Dimensions (L x W x D)	122 x 74 x 18.5 mm (4.803 x 2.913 x 0.728 in)
• Weight	100g 3.53 oz

System Components

The AY-D12 is compatible with Rosslare's door control systems, Rosslare's Wiegand 26-bit supporting single/double/multi door controllers (AC-015, AC-020, AC-115) and access control accessories, including: proxy tag/keys, credential cards, and AS-525 AxTrax client/server software.



AC-115



AC-225



AT-R11

Additional Information

The AY-D12 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: www.rosslaresecurity.com



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