

AY-DR12W

Indoor Proximity Reader



The AY-DR12W is one of a highly sophisticated line of proximity card readers developed by Rosslare. Ideal for residential and commercial applications, this attractively designed reader compliments any decor.

The AY-DR12W is packed with advanced features such as an ultra-bright LED indicator, tamper detection feature, bell button, and a reading distance of 80 mm (3.2 in). The AY-DR12W supports multiple proximity card and keypad formats providing a high level of compatibility and connectivity with host controllers.

GENERAL DESCRIPTION

Rosslare's AY-DR12W Indoor Proximity Reader is designed with a focus on high quality and reliability. It is ideal for residential and commercial applications. Easy to install and operate, the US-gang-box sized AY-DR12W features state-of-the-art smart card technology. It has an internal buzzer, tamper detection, and a reading distance of 80 mm (3.2 in). Versatile and user friendly, the unit can be programmed to transmit proximity card data in Wiegand 26-Bit format.

MAIN FEATURES

- Wiegand 26-bit reader
- Reading distance: 80 mm (3.2 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

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	12 to 16 VDC from a regulated power supply (power usually supplied from host controller)
■ Input Current	Standby: 25 mA at 12VDC Maximum: 60 mA at 12VDC
■ LED Control Input	Dry contact, Normally Open (N.O.)
■ Tamper Output	Open collector, active low, 32 mA max sink current

BUILT-IN PROXIMITY READER

■ Read Range*	80 mm (3.2 in) * Measured using a Rosslare proximity card or equivalent.
■ RF Modulation	ASK, 125 kHz
■ Transmission Formats	26-Bit Wiegand: ASK at 125 KHz
■ Compatible Cards	26-bit EM cards

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for indoor use (meets IP65)
■ Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity Range	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 (4.8 x 2.9 x 0.7 in)
■ Weight	100 g (3.5 oz)

SYSTEM COMPONENTS

The AY-DR12W is compatible with Rosslare's door control systems, Rosslare's single/double/multi-door controllers and access control accessories, including: proxy tag/keys, credential cards, and AxTraxNG client/server software.

PRODUCT WARRANTY

2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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