

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

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|---------------------------|--|
| ■ 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

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|------------------------|---|
| ■ 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

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|-------------------------------|--------------------------------------|
| ■ 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

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|--------------------------|---|
| ■ 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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