AY-x2B

125 kHz EM Contactless Smart Card Reader

| AY-M2B | AY-H2B | AY-L2B | AY-K2B |

The AY-x2B series is a 125 kHz reader capable of reading ID cards, tags, and credentials based on the EM contactless card technology. It reads the unique ID (UID) of the credential and transfers it via Wiegand 26-Bit data to the access control panel.

The AY-x2B series comes with a wall mounting screw kit and top cover, and the board is coated with conformal coating to protect it from the elements and provide a long service life. It is a very simple, reliable, and cost-effective way to upgrade your system to the smart card standard.

GENERAL DESCRIPTION

This AY-x2B series is a high quality 125 kHz EM credential reader for indoor applications. An affordably priced indoor reader for business and commercial applications, this reader delivers UID to Wiegand 26-Bit operation.

The reader reads 125 kHz EM ID format protocol via cards and tags, with a variety of form factors.

The reader is ideal for organizations with many readers, where cost is an important factor of the project.

The reader features a 5-wire cable output, which can be wired (+) and (-) and D0, D1 interface, and green LED control to almost any access control panel.

Made of tough polycarbonate UV plastic the durable reader has conformal board coating to provide additional protection from humidity and moisture, for a long service lifetime.

MAIN FEATURES

- Read range of up to 65 mm (2.6 in.) depending on the card type
- Supports Standard Wiegand 26-Bit
- Made of tough polycarbonate plastic for improved performance in all indoor weather conditions
- Developed for cost-effective market

PROFFESIONAL GRADE FEATURES

- Bi-colored LED and LED control input
- Internal buzzer

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC from a regulated power supply
■ Input Current	Standby: 45 mA @ 12 VDC Max: 100 mA @ 12 VDC

OPERATIONAL SPECIFICATIONS

■ Indicators	Bi-colored LED indicator (Red on standby, Green on Card Read)
■ Inputs	Input for LED control
■ Output Format	Wiegand 26-bit
■ Maximum read range	AY-M2B/AY-H2B/AY-L2B: 10 cm (4 in.) AY-K2B: 8 cm (3.2 in.)
■ Built-In Proximity Reader	Compatible cards: EM 125 kHz

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for Indoor Use, IP-54
■ Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity Range	0% to 95% (non-condensing)

MECHANICAL SPECIFICATIONS	AY-M2B	AY-H2B	AY-L2B	AY-K2B
■ Dimensions (H x W x D)	89x89x15mm (3.5x3.5x0.6 in.)	110x75x15mm (4.3x3.0x0.6 in.)	145x43x20mm (5.7x1.7x0.8 in.)	80x40x12.8mm (3.2x1.6x0.5 in.)
■ Weight	75.0 g (2.6 oz.)	74.7 g (2.6 oz)	71.1 g (2.5 oz)	35.1 g (1.2 oz)
■ System Components	The AY-x2B series is compatible with a variety of Rosslare's controllers, as well as with many third-party systems.			

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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