AY-Q6350

Anti- Vandal MIFARE Classic® EV1 Contactless Smartcard Reader with Keypad

This Anti-Vandal MIFARE Classic® EV1 13.65 MHz Smartcard and PIN code reader has an elegant design with blue backlit keys. The AY-Q6350 is an advanced model with multi-format outputs for high compatibility with standard host access controllers. It has a local menu to program facility code as well as Card & PIN credential modes.

GENERAL DESCRIPTION

The AY-Q6350 is the latest addition to Rosslare's family of MIFARE Classic EV1 card readers. It can read MIFARE Classic EV1 card serial number (CSN) from all ISO 14443A-3 type cards.

AY-Q6350 has locally programmable modes for 1- to 8-digit PIN codes, with a high-security option of "PIN plus card", as well as a 3-digit Facility code. Even with the unit's strong features, this reader is user-friendly and easy-to-install with an additional level of security in the form of a password-protected menu.

This reader supports Wiegand 26-, 32-, 34-, and 40-Bit or Clock & Data output protocols. It has a 6-wire shielded cable interface to the host controller for power, data, LED control input, and tamper status.

Backlight offers a higher level of user accessibility. This anti-vandal unit is ideal for installations where style, security and functionality are highly important.

MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE Classic® EV1) ID Format Protocol
- Read range of up to 45 mm (1.8 in.)
- 8 programmable proximity card transmission formats, Wiegand 26- to 40-Bit or Clock & Data

- Blue backlit 3x4 keypad
- High strength design, epoxy potted, fully sealed within an all-metallic housing
- Selectable LED control or buzzer control functions
- Made from tough polycarbonate plastic for improved performance in all weather conditions

PROFESSIONAL GRADE FEATURES

- Optical tamper sensor for cover and wall tamper detection
- 8 programmable PIN transmission formats for data and credential entry options
- Card + PIN mode for higher security
- Door bell key feature (from "*" key when interfaced with Rosslare controllers)
- Water-resistant with epoxy potting (IP65) suitable for indoor and outdoor applications
- One tri-colored LED and integral sounder for programming and operation
- Programmable Facility code
- Installation kit includes template label, security screw, and tool
- 60 cm (23.6 in.) 6-wire interface cable

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5 to 16 VDC – from a linear type power supply (18 VDC is absolute maximum)
■ Standby Input Current	115 mA
■ Maximum Input Current	160 mA
■ LED Control	Dry Contact, N.O.
■ Proximity Card Reader	Max. read range: 30 mm (1.2 in.) Operating Frequency: 13.56 MHz Compatible Cards: MIFARE Classic EV1 Compatible ISO-14443A
■ Tamper Output	Open collector, active low, max. sink current 32 mA

OPERATIONAL SPECIFICATIONS

■ Keypad	3x4 blue backlit keys for PIN codes entry and local programming Door bell key ('*') function (with Rosslare controllers only)
■ Facility Code	Programmable
■ PIN Code Formats	8 selectable formats, from single to 8-digit PIN codes
■ Card Output Formats	8 selectable formats: Wiegand 26-Bit, with Facility code, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit, Clock & Data and Wiegand Card + PIN
■ Indications and Sounds	Tri-colored LED, built-in sounder with selectable LED/sounder control input

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Indoor and outdoor use (all weather) – 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 (H x W x D)	120 x 76 x 22 mm (4.7 x 3.0 x 1.0 in.)
■ Weight	440 g (1.0 lb)

SYSTEM COMPONENTS	The AY-Q6350 is compatible with a variety of Rosslare's controllers as well as with many third-party systems. In addition, it is compatible with Rosslare's Ultralight (64 bytes), 1K and 4K MIFARE Classic EV1 cards.
PRODUCT WARRANTY	5-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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