

AY-Q6350

Anti- Vandal Mifare® Smartcard Contactless Reader with Keypad

This Anti-Vandal Mifare® 13.65MHz Smartcard and PIN code reader has an elegant design with blue backlit keys. 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® card readers. It can read Mifare® card serial number (CSN) from all ISO-14443A-3 type cards.

AY-Q6350 has locally programmable modes for 1-8 digits PIN code, 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 26, 32, 34, and 40-Bit Wiegand 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®) ID Format Protocol.
- Reads range of up to 45 mm (1.8").
- Blue Backlit 3x4 keypad.
- 8 Programmable Proximity Card transmission formats, 26 to 40-Bit Wiegand or Clock & Data.
- 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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Product Specifications

| ELECTRICAL CHARACTERISTICS | |
|-------------------------------|---|
| • Operating Voltage Range: | 5 to 16VDC – from a linear type Power Supply (18 VDC is absolute maximum) |
| • Input Current: | Standby: 115mA @ 12 VDC Maximum: 160mA @ 12 VDC |
| • Tamper Output: | Open Collector, active low, maximum sink current 16mA |
| OPERATIONAL CHARACTERISTICS | |
| • LED Control Input: | N.O, Dry Contact |
| • Keypad: | 3x4 blue backlit Keys for PIN codes entry and local programming Door bell key ('*') function (with Rosslare controllers only) |
| • Built-In Reader: | Max. read range: 1.77" (45 mm) Operating Frequency: 13.56 MHz Compatible Cards: Mifare ® Compatible ISO-14443A |
| • PIN Code formats: | 8 selectable formats, from single to 8 digit PIN Codes |
| • Card output formats: | 8 selectable formats: Wiegand 26 bits, with facility code, 32 bits, 32 bits reversed, 34 bits, 40 bits, Clock & Data and Wiegand Card + PIN |
| • Facility Code: | Programmable |
| • Indications and Sounds: | Tri-colored LED, Built-in sounder with selectable LED/Sounder control input |
| ENVIRONMENTAL CHARACTERISTICS | |
| • Operating Environment: | Indoor and outdoor use – All Weather – meets IP65 |
| • Operating Temperature: | -25 °F to 145 °F (-31 °C to 63 °C) |
| • Operating Humidity: | 0 to 95% (Meets IP65) |
| • RFI Protection: | > 20 V/m up to 1000 MHz |
| PHYSICAL CHARACTERISTICS | |
| • Dimensions: H x W x D | 4.72 x 3 x 0.966 inch (120 x 76 x 22mm) |
| • Weight: | 0.97lb (440 g) |

System Components

The AY-Q6350 is compatible with a variety of Rosslare's controllers (AC-225, AC-215, AC-115, etc.) as well as with many third party systems, and is compatible with Rosslare's AT-T511, AT-T521 & AT-T531 Ultralight (64 bytes), 1K and 4K Mifare® cards.



Additional Information

The AY-WQ350 is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:

<http://www.rosslaresecurity.com>



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