AY-F66

Outdoor PIN & Proximity Reader with Time/Date LED Display

The AY-F66 is one of a highly sophisticated proximity card and keypad readers developed by Rosslare. Made from the most durable and resilient materials, the AY-F66's sturdy casing is built to withstand harsh outdoor weather environments. The AY-F66 is packed with features such as an integrated 7-segment time and date display, tamper detection feature, and an internal buzzer. The AY-F66 supports multiple proximity card and keypad formats providing a high level of compatibility and connectivity with host controllers.

GENERAL DESCRIPTION

Rosslare's AY-F66 outdoor Proximity & PIN reader is designed with a focus on high quality and reliability. The unit is easy to install and operate.

The time and date display makes this reader ideal for access control and Time and Attendance control systems. It is suitable for either indoor or outdoor installations.

Versatile and user friendly, the unit can be programmed to transmit proximity card data in Wiegand 26-Bit, Clock & Data, or Wiegand Card Plus PIN formats.

The backlit keypad can also be programmed to output eight different data formats. Time and date may be programmed either locally or by compatible controllers through an RS-485 interface.

MAIN FEATURES

- 6-digit, red color, 7-segment LED display
- Time display format HH:MM:SS
- Various date formats
- Time and date programming locally or by host system, using RS-485 and AC-115 or AC-215/225/525 communication interface

- Installation kit included
- Internal buzzer provides audible interface feedback
- Built-in backlit keypad
- Tough, UV-resistant, water-resistant casing

PROFESSIONAL GRADE FEATURES

- Programmable keypad transmission formats
- Built-in optical back tamper
- Tamper output and LED control input
- Programmable facility code
- Built-in 125 KHz ASK type EM RFID proximity reader
- Programmable proximity card transmission formats: Clock and Data, Wiegand 26-bit, Wiegand Card Plus PIN

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5 to 16 VDC from a regulated power supply (power usually supplied from host controller)
■ Input Current	Standby: 180 mA Maximum: 315 mA
■ Tamper Output	Open collector, active low, 32 mA max sink current
■ Display Type	6-digits, 7-segment, red color LED display
■ LED Control Input	Dry contact, normally open (N.O.)
■ Proximity Card Reader	Maximum read range*: 100 mm (4 in.) Modulation: ASK at 125 kHz Transmission formats: Wiegand 26-Bit: ASK at 125 KHz Clock & Data: ASK at 125 KHz Compatible cards: All 26-bit EM cards * Measured using Rosslare Prox Card AT-T14 or equivalent. Range also depends on electrical environment and proximity to metal.

REAL-TIME CLOCK

■ Time and Date Setting	By keypad or host
■ Date Formats	Three date formats
■ Leap Year	Supported
■ Time and Date Backup	Three days

BUILT-IN KEYPAD

■ Transmission Formats	Multiple

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for indoor and outdoor use (meets IP65)
■ Operating Temperature	-20°C to 60°C (-4°F to 140°F)
■ Operating Humidity	0 to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions (L x W x D)	120 x 71 x 29.6 mm (4.72 x 2.8 x 1.17 in)
■ Weight	230 g (8.1 oz)

SYSTEM COMPONENTS

The AY-F66 is compatible with AxTraxNG™ Family panels

PRODUCT WARRANTY

2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

www.rosslaresecurity.com

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EN ISO 13485

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