

AYC-E/F/G/M/Q60

Backlit *go*PROX[®] & PIN Reader – Convertible Series



AYC-E60B



AYC-F60



AYC-G60



AYC-M60



AYC-Q60

The *go*PROX[®] AYC family is a series of convertible PIN/Proximity readers with Genuine HID Technology™. The *go*PROX[®] AYC series automatically determines whether to function as a reader or as a secured standalone controller. If the unit is connected to a standard access control unit, then it functions as a reader. If the unit is connected to a Rosslare secured intelligent power supply such as the PS-A25T, PS-C25T, or PS-C25TU, it functions as a 500-user secured standalone controller.

GENERAL DESCRIPTION

As a reader, the units can read all HID Prox As a reader, the units can read all HID Prox Cards/Tags (125 kHz FSK) using Genuine HID Technology™ and outputs HID Prox card data in Wiegand according to the number of bits of data stored on the card. The units also read Rosslare PROX – EM Proximity Cards (125 kHz – EM) and can output EM card data as Wiegand 26-Bit, Clock & Data, and Wiegand + PIN.

As a controller, the units accept up to 500 users, and allow entry via a personal identification number (PIN) and/or by presenting a proximity card. The PIN code length for the controller can vary. The PIN code length can be a set number of 4, 5, or 6 digits or it can be flexible from 4 to 8 digits.

MAIN FEATURES

- Advanced, secure, multi-application functionality for intelligent installations
- Smooth, attractive design, with all-weather indoor and outdoor operation
- 2 tri-colored LEDs and an integral sounder for programming and operation
- Unique backlit piezoelectric keys
- User-friendly menu based on keypad, LED, and sounder indicators
- Back and cover optical tamper detection and output
- Default operation as a multi-format reader (Rosslare PROX and HID Genuine Technology™ formats, Wiegand 26-Bit, Clock & Data)
- Automatically recognizes Rosslare's PS-x5 intelligent power supply family, converting into a 500-user standalone controller with secure relays
- 3 security levels (controller mode): Bypass (free entry), Normal (card or PIN required) or Secure (card + PIN)

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

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|----------------------------------|--|
| ■ Operating Voltage Range | 5–16 VDC |
| ■ Standby Input Current | 100 mA |
| ■ Maximum Input Current | 140 mA |
| ■ Tamper Output | Open collector, active low, max. sink current 32 mA |
| ■ LED Control Input | Dry Contact N.O. |
| ■ Cable Distance Host Controller | Up to 150 m (500 ft) using an 18 AWG cable |
| ■ Max Proximity Card Range | 60 mm (2.36 in.) |
| ■ Proximity Card Modulation | Rosslare PROX – EM/HID Prox at 125 kHz |
| ■ Card Transmit Format (Reader) | Rosslare PROX – EM cards: Wiegand 26-Bit, or Clock & Data HID cards: According to card type |
| ■ LED Indicators | Two tri-colored LEDs |
| ■ Compatible Cards | 125 kHz and/or dual technology ISO cards, clamshell and tags |

ENVIRONMENTAL SPECIFICATIONS

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|-------------------------|--|
| ■ Operating Temperature | -30°C to 65°C (-22°F to 150°F) |
| ■ Operating Humidity | 0% to 95% (non-condensing) |
| ■ Outdoor Usage | Weather-resistant, meets IP-65, epoxy potted, suitable for outdoor use |

MECHANICAL SPECIFICATIONS

| | AYC-E60B | AYC-F60 | AYC- G60 | AYC-M60 | AYC-Q60 |
|--------------------------|---|---|--|---|---|
| ■ Dimensions (L x W x H) | 155 x 44 x 9 mm (6.1 x 1.7 x 0.35 in.) | 120 x 76 x 21 mm (4.72 x 3 x 0.87 in.) | 137 x 44 x 21 mm (5.39 x 1.73 x 0.83 in.) | 92.5 x 92.5 x 17.8 mm (3.64 x 3.64 x 0.70 in.) | 120 x 76 x 22 mm (4.72 x 3 x 0.96 in.) |
| ■ Weight | 143 g 0.31 lbs | 480 g 1.05 lbs | 160 g 0.35 lbs | 170 g 0.37 lbs | 480 g 1.05 lbs |

SYSTEM COMPONENTS

The AYC-E/F/G/M/Q60 units are compatible with Rosslare's as well as various third-party systems. Compatible with Rosslare PROX – EM cards and HID cards.

PRODUCT WARRANTY

5-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

