

# AYC-E/F/G/M/Q60

Backlit *goPROX*<sup>®</sup> & PIN Reader – Convertible Series



AYC-E60B



AYC-F60



AYC-G60



AYC-M60



AYC-Q60

The *goPROX*<sup>®</sup> AYC family is a series of convertible PIN/Proximity readers with Genuine HID Technology™. The *goPROX*<sup>®</sup> 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 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

■ 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

■ 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

The AYC-E/F/G/M/Q60 units are compatible with Rosslare's controllers (such as AC-225, AC-425, and ExpansE) as well as various third-party systems. Compatible with Rosslare PROX – EM cards and HID cards.

## SYSTEM COMPONENTS

## 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](http://www.rosslaresecurity.com)

