

AYC-E/F/G/M/Q60

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



The $goPROX^*$ AYC family is a series of convertible PIN/Proximity readers with Genuine HID TechnologyTM. The $goPROX^*$ 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
SYSTEM COMPONENTS	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.				
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).

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