

# AYC-G64

2x6 Backlit Proximity & PIN Convertible  
Reader / Controller



Part of the convertible line of readers/controllers, this unit can be operated as an outdoor backlit keypad & proximity reader that connects to any standard controller, or it can convert into a fully featured, 500-user standalone controller when connected to Rosslare's PS-x25T family of intelligent power supply/relay units. This unit provides a most effective solution for indoor and outdoor access systems where PIN credentials are required.

## GENERAL DESCRIPTION

For greater peace of mind, this sturdy access control unit provides a rugged keypad with advanced access control features, in an aesthetically-designed housing.

The AYC-G64 offers programmable PIN and proximity transmission formats, LED control and tamper detection, providing extra security and flexibility. Come rain or shine, this unit can handle the challenge, with its rugged ultraviolet-resistant housing and waterproof enclosure for maximum durability.

The backlit keypad is clearly visible day or night, making this unit ideal for residential and commercial applications.

## MAIN FEATURES

- Supports 4- to 8-digit PIN credentials and 125 kHz EM type RFID cards and tags
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large, highly-visible RED backlit keypad
- 2 tri-colored LEDs and an integral sounder for programming and operation

- 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 (Wiegand 26-Bit/Clock & Data)
- Automatically recognizes Rosslare's PS-x25T intelligent power supply family converting it into a 500-user standalone controller with secure relays

## PROFESSIONAL GRADE FEATURES

- 8 selectable PIN transmission modes including options for Key Stream, Binary, Parity, and 2x6 Matrix
- Supports Wiegand 26-Bit or Clock & Data transmission formats
- 3 security levels (controller mode): Bypass (free entry), Normal (card or PIN required) or Secure (card + PIN)
- 60 cm (23.6 in.) shielded interface cable
- Meets IP65

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	Reader mode: 5 to 16 VDC from a standard controller Controller mode: PS-x25T series intelligent power supplies
■ Input Current	Standby: 105 mA at 12 VDC; Maximum: 140 mA at 16 VDC
■ Proximity Card Reader	Maximum read range*: 80 mm (3.2 in.) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM cards * Measured using a Rosslare proximity card or equivalent. Range also depends on electrical environment and proximity to metal.
■ Tamper	Open collector, active low, 32 mA max sink current

## OPERATIONAL SPECIFICATIONS

■ Keypad	2x6 keys for local programming and 4- to 8-digit PIN codes entry
■ Design	Epoxy potted, fully sealed in a rugged polycarbonate enclosure. Red illuminated rubber keys. Suitable for harsh environments.
■ Audio/Visual	Two tri-colored LEDs, built-in buzzer

## READER MODE

■ LED Control	Dry contact, N.O.
■ Facility Code	Programmable
■ Read Card Format	Selectable Wiegand 26-Bit or Clock & Data
■ PIN Code Formats	8 selectable formats, from 1- to 8-digit length PIN codes

## CONTROLLER MODE (only available with PS-x25T series intelligent power supplies)

■ Capacity	500 users, dual code/card or code + card each
■ User Levels	Normal, Secure, Master
■ Security Modes	Normal, Bypass, Secure
■ Outputs	Lock Strike output; Auxiliary output (PS-x25T series)
■ Inputs	REX (Request-to-Exit) Auxiliary/door monitor with 10 programmable modes

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Weather-resistant, meets IP65, epoxy-potted, suitable for outdoor use
■ Operating Temperature	-35°C to 66°C (-31°F to 151°F)
■ Operating Humidity	0 to 95% (non-condensing)

## PHYSICAL SPECIFICATIONS

■ Dimensions	137 x 44 x 21 mm (5.4 x 1.7 x 0.8 in.)
■ Weight	160 g (5.6 oz)

**SYSTEM COMPONENTS**  
AYC-G64 is compatible with standard access controllers in Reader mode. With Rosslare's PS-x25T intelligent power supply series it automatically converts into a 500-user secure controller.

**PRODUCT WARRANTY**  
5-year limited product warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features access control solutions, guard patrol management systems, and applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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