

# AYC-Q65

Convertible Anti-Vandal Piezoelectric  
3x4 Proximity & PIN Reader/Controller



Part of the line of convertible readers/controllers, this unit can be operated as an outdoor proximity and PIN 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 proximity or PIN credentials are required. This attractive looking model features a unique blue illuminated piezoelectric keypad on a metallic, epoxy-filled, sealed housing.

## GENERAL DESCRIPTION

For greater peace of mind, this sturdy access control unit provides a piezoelectric keypad with advanced access control features in an aesthetically designed housing. The AYC-Q65 offers programmable Proximity & PIN transmission formats, LED control, and tamper detection, providing extra security and flexibility. Come rain or shine, this unit can handle the challenge, with its extremely strong metallic housing and waterproof enclosure for maximum durability.

## 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 piezoelectric keypad
- 2 tri-colored LEDs and an integral sounder for programming and operation

- User-friendly menu, based on LED and sounder indicators
- Back and cover optical tamper detection and output.
- Multi-format reader (Wiegand 26-Bit/Clock & Data/Card & PIN)
- Automatically recognizes Rosslare's PS-x25T intelligent power supply family converting it into a 500-user standalone controller with secure relays

## PROFESSIONAL GRADE FEATURES

- 9 selectable PIN transmission modes including options for Key Stream, Binary, Parity, and 3x4 Matrix
- Comes with a mounting and drilling label, security screw, and tool set to prevent unauthorized opening
- 60 cm (23.6 in.) shielded interface cable

# 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: 90 mA at 12 VDC ; Maximum: 130 mA at 16 VDC
■ Proximity Card Reader	Maximum read range*: 45 mm (1.77 in.) Modulation: ASK at 125 kHz Compatible cards: EM cards * Measured using a Rosslare proximity card or equivalent.. Range also depends on electrical environment and proximity to metal.
■ Tamper	Optical back tamper sensor, O.C. active low, 30 mA max. sink current

## OPERATIONAL SPECIFICATIONS

■ Keypad	3x4 keypad for local programming and 4- to 8-digit PIN codes entry
■ Design	Epoxy-potted, fully-sealed in a rugged metal enclosure, metal piezoelectric keypad, highly strong construction. Suitable for extremely harsh environments.
■ Audio/Visual	2 tri-color LED indicators, built-in buzzer

## READER MODE

■ LED Control	Dry contact, N.O.
■ Facility Code	Programmable
■ Read Card Format	Selectable Wiegand 26-Bit, Clock & Data, Card & PIN
■ PIN Code Formats	9 selectable formats, from 4- to 8-digit length PIN codes

## CONTROLLER MODE

(available with PS-x25T series intelligent power supplies only)	
■ 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	All weather, indoor and outdoor use, meets IP65
■ Operating Temperature	-35°C to 66°C (-31°F to 151°F)
■ Operating Humidity	0 to 95%

## PHYSICAL SPECIFICATIONS

■ Dimensions	120 x 76 x 21 mm (4.72 x 3 x 0.83 in.)
■ Weight	480 g (1.05 lb)

## SYSTEM COMPONENTS

AYC-Q65 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

### 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 much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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