

# AYC-Q54B

Convertible Anti-Vandal  
Backlit 3x4 PIN Reader/Controller



PART OF THE CONVERTIBLE LINE OF READERS / CONTROLLERS, THIS UNIT CAN BE OPERATED AS AN OUTDOOR BACKLIT KEYPAD READER, WHICH CONNECTS TO ANY STANDARD CONTROLLER, OR ELSE IT CONVERTS INTO A FULLY FEATURED, 500-USERS STAND-ALONE 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. THIS ATTRACTIVE LOOKING YET ROBUST MODEL FEATURES UNIQUE SHINY BLUE ILLUMINATED METAL KEYS ON A METALLIC, EPOXY FILLED, SEALED HOUSING.

## 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-Q54B offers programmable 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.

The backlit keypad, with its auto-dimming options, is clearly visible day or night, making these units ideal for residential and commercial applications.

## MAIN FEATURES

- Supports 4- to 8-digit PIN credentials
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large, highly-visible blue 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
- 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 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
- Meets IP65 for outdoor use

# 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: 65 mA at 12 VDC Maximum: 110 mA at 16 VDC
■ Tamper	Optical back tamper sensor, O.C. active low, 32 mA max. sink current

## OPERATIONAL SPECIFICATIONS

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

## READER MODE

■ LED Control	Dry contact, N.O.
■ Facility Code	Programmable
■ PIN Code Formats	8 selectable formats, from 1- to 8-digit length PIN codes

## CONTROLLER MODE

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

■ Capacity	500 users, single/dual PIN code 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% (non-condensing)

## PHYSICAL SPECIFICATIONS

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

## SYSTEM COMPONENTS

AYC-Q54B 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, 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)

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