

## AYC-Q54B

### *Convertible* Anti-Vandal Backlit 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-x5 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-x5 intelligent power supply family converting it into a 500-user stand-alone 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

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## Product Specifications

<b>ELECTRICAL CHARACTERISTICS</b>	
• Operating Voltage Range:	Reader mode: 5 to 16VDC from a standard controller Controller mode: PS-X5T series intelligent power supplies
• Input Current:	Standby: 65mA at 12VDC Maximum: 110mA at 16VDC
• Tamper:	Optical back tamper sensor, O.C. active low, 32mA max. sink current
<b>OPERATIONAL CHARACTERISTICS</b>	
• Keypad:	3x4 Keys for local programming and 4 to 8 digit PIN codes entry
• Design:	Epoxy potted, fully sealed in a rugged metal enclosure, highly strong construction, blue backlit metallic keys. Suitable for extremely harsh environments.
• Audio/Visual:	Two tri-color LED indicators, Built-in buzzer
<b>READER MODE</b>	
• LED Control:	Dry contact, N.O.
• Facility Code:	Programmable
• PIN Code Formats:	8 selectable formats, from single to 8 digit PIN Codes, including: - 6 or 8 Bits Wiegand, Nibble/Parity options, optional Rosslare Format - 1-5 keys, fixed 4 keys, 6 keys BCD w/ facility code, Wiegand 26 bits - 3x4 Matrix single key - 1 to 8 keys BCD, Clock & Data
<b>CONTROLLER MODE</b>	
(works with PS-15T/PS-25T series intelligent power supplies only)	
• Capacity:	500 Users, single/dual PIN code each
• User Levels:	Normal, Secure and Master
• Security Modes:	Normal, Bypass and Secure
• Outputs:	Lock Strike output Auxiliary output (PS-25T series)
• Inputs:	REX (Request to Exit) Auxiliary/Door Monitor with 10 programmable modes (PS-25T series)
<b>ENVIRONMENTAL CHARACTERISTICS</b>	
• Operating Environment:	All weather, indoor and outdoor use, meets IP65
• Operating Temperature:	-30°C to 65°C (-22°F to 150°F)
• Operating Humidity:	0 to 95%
<b>PHYSICAL CHARACTERISTICS</b>	
• Dimensions:	120 x 76 x 21 mm (4.72 x 2.99 x 0.83 inch)
• Weight:	480g (1.05 lbs)

## Dual Application Product

AYC-Q54B is compatible with standard access controllers in Reader mode. With Rosslare's PS-x15 or PS-x25 intelligent power supply series it automatically converts into a 500-user secure controller.



AC-115



AC-225



PS-C25T

## Additional Information

The AYC-Q54B is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:  
<http://www.rosslaresecurity.com>.



CFR47 Part 15b Certified



UL-294 Listed for Access Control System Units

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VERSION 2.0  
5504-0065101-00  
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