

## AYC-E55

Convertible Ultra-Slim Piezo PIN Reader / Controller

**Unique ultra-slim profile, smooth metallic surface and highly sensitive piezoelectric keys make this unit extremely attractive for all-weather PIN access applications. Fully sealed and epoxy potted in a metal housing, the AYC-E55 offers an exceptionally durable solution for any need. As part of Rosslare's convertible line of readers/controllers, this unit can be operated as a keypad reader which connects to any standard controller, and converts into a secure 500-users stand-alone controller when connected to Rosslare's PS-x5 family of intelligent power supply/relay unit.**

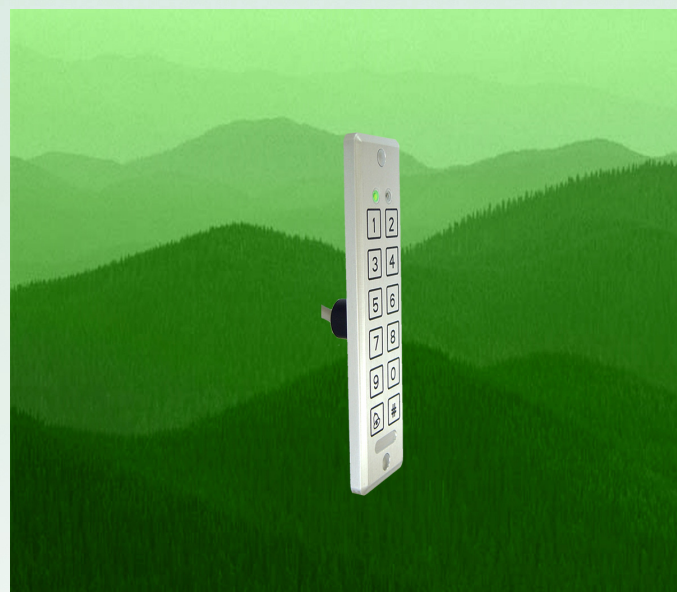
### General Description

For greater peace of mind, this sturdy access control unit provides a rugged keypad with advanced access control features, in a unique aesthetic and strong housing.

The AYC-E55 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 rugged slim design, metallic housing and waterproof enclosure for maximum durability.

The piezoelectric keypad with highly sensitivity keys allows easy and smooth operation, making these units ideal for residential and commercial applications.



### Main Features

- Supports 4-Digit to 8-Digit PIN credentials.
- Smooth, attractive design, for 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 system based on keypad, LED and sounder indicators.
- Optical Back tamper detection output.
- Default operation as a multi-format reader.
- Automatically recognizes Rosslare's PS-x5 intelligent power supply family converting it into a 500 users 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.
- 60cm (23.6 in.) shielded interface cable.

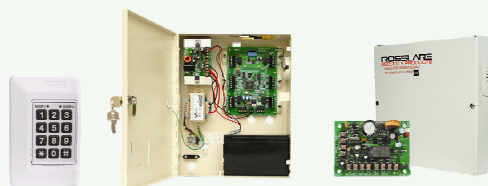


### Product Specifications

<b>ELECTRICAL CHARACTERISTICS</b>	
• Operating Voltage Range:	Reader mode: 5 to 16VDC from a standard controller Controller mode: PS-x5 series intelligent power supplies
• Input Current:	Standby: 15mA at 12VDC Maximum: 40mA at 16VDC
• Tamper:	Optical back tamper sensor, O.C. active low, 32mA max. sink current
<b>OPERATIONAL CHARACTERISTICS</b>	
• Keypad:	2x6 Keys for local programming and 4 to 8 digit PIN codes entry
• Design:	Epoxy potted, fully sealed in a rugged thin metal enclosure, highly strong construction and high sensitive piezoelectric 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>	
(available with PS-x5 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-x25 series)
• Inputs:	REX (Request to Exit) Auxiliary/Door Monitor with 10 programmable modes (PS-x25 series)
<b>ENVIRONMENTAL CHARACTERISTICS</b>	
• Operating Environment:	All weather, indoor and outdoor use, meets IP68
• Operating Temperature:	-30°C to 65°C (-22°F to 150°F)
• Operating Humidity:	0 to 95%
<b>PHYSICAL CHARACTERISTICS</b>	
• Dimensions:	155mm x 44mm x 6.5mm (6.1" x 1.7" x 0.26")
• Weight:	120g (0.265 lbs)

### Dual Application Product

AYC-E55 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.



### Additional Information

The AYC-E55 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

