

# AYC-E65BG/W

**Convertible** Ultra-Slim Backlit Piezo PIN & Prox Reader / Controller

**Unique ultra-slim profile, smooth metallic surface and high sensitive piezoelectric keys, now combined with shiny illuminated digits and a Proximity card reader makes this unit highly attractive for all-weather PIN & Prox access applications. Fully potted in a metal housing, the AYC-E65BG/W offers highly attractive yet durable solution for any need. Part of the Convertible line of readers/controllers, this unit can be operated as a keypad reader with any standard controller, and converts into a secure 500-users controller when connected to the PS-x5T intelligent power supply/relay unit.**

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-E65BG/W offers programmable PIN & 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 metallic housing and waterproof enclosure for maximum durability.

The high sensitivity, illuminated piezoelectric keypad, with its auto-dimming options is clearly visible day or night, allowing easy and smooth operation making these units ideal for residential and commercial applications.



- Supports 4 to 8-Digit PIN credentials and 125KHz EM type RFID cards and tags
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large, high-visibility unique illuminated 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
- Automatically recognizes a connection to PS-X5T intelligent power supplies and converts into a 500 users stand-alone controller with secure relays
- Available in two models: AYC-E65BG with Gray antenna and AYC-E65BW with White antenna

## PROFESSIONAL GRADE FEATURES

- 8 Selectable PIN transmission modes including options for Key stream, Binary, Parity, and 3x4 Matrix
- Supports Wiegand or Clock & Data Transmission formats
- 3 Security levels (controller mode): bypass (free entry), normal (card or PIN) required or Secure (card + PIN)
- Comes with a mounting and drilling label
- 60 cm (23.6 in.) shielded interface cable



<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: 92mA @ 12VDC Maximum: 105mA @ 16VDC
• Proximity Card Reader:	Maximum read range*: 40mm (1.6") Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards <small>* Measured using Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.</small>
• Tamper:	Optical back tamper sensor, O.C. active low, 32mA max. sink current
<b>OPERATIONAL CHARACTERISTICS</b>	
• Keypad:	2x6 blue illuminated Keys (always on, always off and auto dimming options) 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-colored LED indicators, Built-in buzzer
<b>READER MODE</b>	
• LED Control:	Dry contact, N.O.
• Facility Code:	Programmable
• Card Read Formats:	Selectable Wiegand 26 Bits or Clock & Data
• PIN Code Formats:	8 selectable formats, from 1 to 8 digit length PIN Codes
<b>CONTROLLER MODE</b>	
(available with PS-X5T 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
<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:	6.1x1.73x0.354 inch 155x44x9mm
• Weight:	0.315lb ( 143gr)

### Dual Application Product

AYC-E65BG/W (Reader mode) is compatible with standard access controllers. With the PS-15T/PS-25T intelligent power supplies series it automatically converts into a 500-user secure controller.



AC-115

AC-225

PS-25

### Additional Information

The AYC-E65BG/W is covered by a 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:

<http://www.secure-access.co.uk>

