AYC-F64

Convertible 3x4 Backlit PIN & Prox Reader / Controller

Part of the Convertible line of readers / controllers, this unit can be operated as an outdoor backlit keypad & proximity 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 and Proximity credentials are required.

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-F64 offers programmable PIN and 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 ultraviolet-resistant housing and waterproof enclosure for maximum durability.

The backlit keypad is clearly visible day or night, making this unit ideal for residential and commercial applications.

Main Features

- 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, highly-visible RED 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.
- Default operation as a multi-format reader (Wiegand 26 bits / Clock & Data)
- 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.
- 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, security screw, and tool set to prevent unauthorized opening.
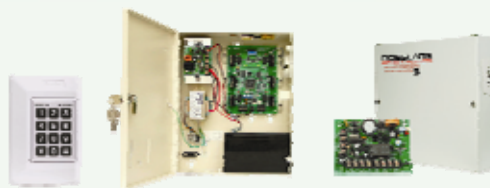- 60 cm (23.6 in.) shielded interface cable.

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Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage Range:	Reader mode: 5 to 16VDC from a standard controller Controller mode: PS-X5T series intelligent power supplies
• Input Current:	Standby: 105mA at 12VDC Maximum: 140mA at 16VDC
• Proximity Card Reader:	Maximum read range*: 80mm (3") Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.
• Tamper:	Optical back tamper sensor, O.C. active low, 32mA max. sink current
OPERATIONAL CHARACTERISTICS	
• Keypad:	3x4 Keys for local programming and 4 to 8 digit PIN codes entry
• Design:	Epoxy potted, fully sealed in a rugged polycarbonate enclosure. Red illuminated rubber keys. Suitable for harsh environments.
• Audio/Visual:	Two tri-color LED indicators, Built-in buzzer
READER MODE	
• LED Control:	Dry contact, N.O.
• Facility Code:	Programmable
• Card Read Format:	Selectable Wiegand 26 Bits or Clock & Data
• PIN Code Formats:	8 selectable formats, from 1 to 8 digit length PIN Codes
CONTROLLER MODE	(available with PS-15T/PS-25T series intelligent power supplies only)
• Capacity:	500 Users, dual code / card or code + card 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
ENVIRONMENTAL CHARACTERISTICS	
• 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%
PHYSICAL CHARACTERISTICS	
• Dimensions:	120mm x 76mm x 21mm (4.72" x 2.99" x 0.83")
• Weight:	215g (0.47 lbs)

Dual Application Product

AYC-F64 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-F64 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