

AYC-F54

Convertible 3x4 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 it can convert to a fully-featured, 500-user standalone 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.

GENERAL DESCRIPTION

For a 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-F54 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 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
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large, high-visibility 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
- 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

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: 75 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 keypad 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
■ PIN Code Formats	8 selectable formats, from single to 8-digit PIN codes, including: – Wiegand 6-Bit or 8-Bit, nibble/parity options, optional Rosslare format – 1–5 keys, fixed 4 keys, 6 keys BCD w/Facility code, Wiegand 26-bit – 3x4 Matrix single key – 1 to 8 keys BCD, Clock & Data

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	-30°C to 65°C (-22°F to 150°F)
■ Operating Humidity	0 to 95%

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	120 x 76 x 21 mm (4.72 x 2.99 x 0.83 in.)
■ Weight	215 g (0.47 lb)

SYSTEM COMPONENTS

	AYC-F54 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.
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PRODUCT WARRANTY

	5-Year Limited Product Warranty
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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).

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