

AYC-W6500

Biometric *Convertible* PIN & Prox Reader/Controller

The sleek and compact design of Rosslare's new *Convertible* dual-application biometric reader/controller adds to its versatility and multi-faceted capabilities. When connected to a Rosslare intelligent Secure Power Supply, it converts into a 500-user fully featured secure access controller. This unit utilizes an award-winning algorithm, which provides highly accurate fingerprint recognition, along with the options for PIN code or proximity card reading, for the ultimate ID verification security.

General Description

The dual-application AYC-W6500 is a highly reliable biometric reader that aside from the traditional PIN code and proximity card reading, it also utilizes a fingerprint verification module that is second to none.

As a member of the *Convertible* family, it can convert into a secure 500-user access controller using the PS-15T or PS-25T Intelligent Secure Power Supply units (automatically recognized).

Simple to install and use, the AYC-W6500 offers a modern design including a backlit keypad, convenient finger placement and small footprint.

A host of additional standard Rosslare features round out the package, such as extra inputs, friendly setup menus, and straightforward configuration and management of the fingerprint database using easy to use PC software.



Main Features

READER FEATURES

- Programmable PIN transmission modes including options for key stream, binary, and parity.
- LED control input
- Supports Wiegand 26-Bit, or Clock & Data transmission formats.
- Programmable PIN code length

SECURED CONTROLLER FEATURES

- Capacity of 500 users
- Programmable Auxiliary input mode
- Programmable PIN code length, from 4 to 8 digits
- Programmable Lock Strike Release, Siren, and Alarm Delay timers
- Two User Levels:
 - Normal User
 - Secure User

PROFESSIONAL GRADE FEATURES

- PIN and/or Proximity Card & Dual Fingerprint Templates Per User
- Fully potted, sealed and protected
- Optical Wall Tamper
- RS-232 Serial interface for PC database backup and firmware upgrade
- Verification time less than 1 second
- Bi-colored LED indicator and an internal sounder for key-beeps and verification sound indications
- Programmable keypad backlight
- BioTrax™ PC software for complete management of the fingerprint database and fast configuration of the reader
- 60cm (23.6 in.) 10-wire shielded interface cable.
- Door bell feature (from "*" key), with Rosslare accessories.
- Professional grade, CMOS Active Capacitive Pixel sensor

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Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage Range:	Reader mode: 10 to 16VDC from a standard controller Controller mode: from PS-x5T series intelligent power supply family
• Input Current:	Standby: 140mA at 12VDC, Maximum: 330mA at 16VDC
• Tamper:	Optical back tamper sensor, O.C. active low, 32mA max. sink current
• Sensor ESD Rating:	±15KV (Fingerprint Sensor)
OPERATIONAL CHARACTERISTICS	
• Operation Modes:	Normal: PIN or Proximity Card + Fingerprint Verification Secure: PIN + Proximity Card + Fingerprint Verification
• Fingerprint Verification:	Verification Time: Less than 1 second Verification Method: 1:1
• Built-in Proximity Reader:	Read Range: 75mm (2.95 in.), ASK at 125 kHz
• Keypad:	3x4 Backlit keys for local programming, 4-8 digit PIN code entry
• Inputs:	External LED Control and Mode Switching (Normal/Secure)
READER MODE	
• External LED Control:	0 to 5VDC, Active low, 50mA max, Impedance: 20K ohm
• Output formats:	Wiegand 26-Bit, Clock & Data, RS-232 (Host Only)
• PIN Code Formats:	4 selectable transmission formats: - Multiple keys, Wiegand 26 bits - Single key, 6 bits, Rosslare format - Single key, 6 and 8 bits Wiegand
CONTROLLER MODE	
• Capacity:	500 Users. Dual template, PIN code and proximity card each
• Relay Outputs:	Lock Strike output (with PS-15/25T series)
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Indoor use
• Operating Temperature:	-5°C to +60°C (23°F to 140°F)
• Operating Humidity:	10% to 90% RH (non-condensing)
PHYSICAL CHARACTERISTICS	
• Dimensions:	144mm H x 104mm L x 34mm W (5.7 in. x 4.1 in. x 1.4 in.)
• Weight:	320 g (0.7lbs)

Dual Application Product

The AYC-W6500 reader is compatible with standard access controllers (limited to 500 users).

With Rosslare's intelligent power supplies it can function as a 500-user secure controller.



Additional Information

The AYC-W6500 is covered by Rosslare's 2-year Limited Product Warranty. For sales information or product documentation, please visit our website: <http://www.rosslaresecurity.com>.



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