

AYC-W6500

Convertible PIN/Proximity Reader with Fingerprint Verification

The sleek and compact design of Rosslare's new AYC-W6500 dual-application PIN & Proximity biometric reader adds to its versatility and multi-faceted capabilities. When connected with Rosslare's intelligent Secure Controllers, it converts into a 500-user secure access controller, with all of the same features. This unit utilizing an award-winning algorithm, which provides a highly accurate fingerprint recognition, along with the options of PIN code or proximity card reading, for the ultimate in ID verification security.

General Description

The dual-application AYC-W6500 is a highly reliable biometric reader that not only offers the traditional PIN code and proximity card reading, but also utilizes a fingerprint verification module that is second to none.

It can be converted into a secure 500-user access controller using the optional AC-C15TU or PSC-15T secured controller (automatically recognized).

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

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



Main Features

READER FEATURES

- Programmable PIN transmission modes including options for key stream, binary, and parity.
- External LED confirmation control option
- Supports Wiegand 26-Bit, or Clock & Data RFID card transmission formats.

SECURED CONTROLLER FEATURES

- Ability to enroll up to 500 users
- Programmable Input and Door Monitor mode select
- Programmable PIN code length, from 4-8 digits
- Request-to-Exit (REX) signal from AC-C15T/U or PS-C15T/U secure controller
- Programmable Lock Strike Release, Siren, and Alarm Delay timers
- Three User Levels:
 - Normal User
 - Secure User
 - Master User

PROFESSIONAL GRADE FEATURES

- PIN and/or Proximity Card & Dual Fingerprint Template Per User
- Optical Wall Tamper and Cover Open Tamper Detection
- RS-232 Serial communications interface for PC database backup and firmware upgrade
- Verification time only up to 1.5 seconds
- Bi-color 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
- 60 cm (23.6 in.) 6-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:	10 to 16 VDC from a regulated power supply
• Input Current:	Standby: 130mA at 12VDC Maximum: 310mA at 12VDC
• Relay Outputs:	Form C Relay Tamper, Optional direct door control
• Inputs:	External LED Control and Mode Switching (Normal/Secure)
• External LED Control:	0V to 5V DC, Low Active Maximum: 50 mA Impedance: 20K ohm
• 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:	Templates: Up to 1000 templates Verification Time: Less than 1.5 seconds Verification Method: 1:1
• Built-in Proximity Reader:	Read Range: 75mm (2.95 in.) Modulation: ASK at 125 kHz
• Keypad:	3 x 4 Key, Backlit
• Output formats:	Wiegand 26-Bit, Clock & Data, RS-232 (Host Only)
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)
• RFI Protection:	> 20 V/m up to 1000 MHz
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 5-year Limited Product Warranty. For sales information or product documentation, please visit our website: <http://www.rosslaresecurity.com>.

