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-x25 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 then 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
- 23.6 in. (60 cm) 10-wire shielded interface cable
- Door bell feature (from "*" key), with Rosslare accessories
- Professional grade, CMOS Active Capacitive Pixel sensor

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
■ Operating Voltage Range	Reader mode: 10 to 16 VDC from a standard controller Controller mode: from PS-x5T series intelligent power supply family
■ Input Current	Standby: 140 mA at 12 VDC, Maximum: 330 mA at 16 VDC
■ Tamper	Optical back tamper sensor, O.C. active low, 32 mA max. sink current
■ Sensor ESD Rating	±15KV (Fingerprint Sensor)
OPERATIONAL SPECIFICATIONS	
■ 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: 2.95 in. (75 mm), 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 5 VDC, Active low, 50 mA 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 SPECIFICATIONS	
■ Operating Environment	Indoor use
■ Operating temperature	23°F to 140°F (-5°C to +60°C)
■ Operating humidity	10% to 90% RH (non-condensing)
MECHANICAL SPECIFICATIONS	
■ Dimensions (H x L x W)	5.7 x 4.1 x 1.4 in. (144 x 104 x 34 mm)
■ Weight	0.7lbs (320 g)
SYSTEM COMPONENTS	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.
PRODUCT WARRANTY	2-year Limited Product Warranty

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).
Visit our website: www.rosslaresecurity.com

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