

# AYC-T65 (N/B)

Piezoelectric Backlit Proximity  
& PIN Reader – Convertible



SMOOTH METALLIC SURFACE AND HIGH SENSITIVE PIEZOELECTRIC KEYS, NOW COMBINED WITH SHINY ILLUMINATED DIGITS AND A PROXIMITY CARD READER MAKES THIS UNIT HIGHLY ATTRACTIVE FOR ALL-WEATHER PIN & PROX ACCESS APPLICATIONS. FULLY POTTED IN A METAL HOUSING, THE AYC-T65 OFFERS AN ATTRACTIVE YET DURABLE SOLUTION FOR ANY NEED. PART OF THE CONVERTIBLE LINE OF READERS/CONTROLLERS, THIS UNIT CAN BE OPERATED AS A KEYPAD READER WITH ANY STANDARD CONTROLLER, AND CONVERTS INTO A SECURE 500-USER CONTROLLER WHEN CONNECTED TO THE PS-x25T INTELLIGENT POWER SUPPLY/RELAY UNIT.

## GENERAL DESCRIPTION

For greater peace of mind, this sturdy access control unit provides a rugged keypad with advanced access control features, in a unique aesthetic and strong housing.

The AYC-T65 offers programmable PIN & 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 metallic housing and waterproof enclosure for maximum durability.

The high sensitivity, illuminated piezoelectric keypad, with its auto-dimming options is clearly visible day or night, allowing easy and smooth operation making these units ideal for residential and commercial applications.

## MAIN FEATURES

- § Supports 4- to 8-Digit PIN credentials and 125 KHz EM type RFID cards and tags
- § Smooth, attractive design, with all-weather indoor and outdoor operation
- § Large, high-visibility unique illuminated piezoelectric keypad
- § Optical back tamper detection output

- § 2 tri-colored LEDs and an integral sounder for programming and operation
- § User-friendly menu system based on keypad, LED, and sounder indicators
- § Automatically recognizes a connection to PS-x25T intelligent power supplies and converts into a 500-user standalone controller with secure relays
- § Available in two models: AYC T65B in black color and AYC-T65N in natural color

## 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
- § 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: 92 mA @ 12 VDC, Maximum: 105 mA @ 16 VDC
§ Proximity Card Reader	Maximum read range*: 40 mm (1.58 in.) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * Measured using Rosslare Proximity Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal
§ Tamper	Open collector, active low, 30 mA max sink current

## OPERATIONAL SPECIFICATIONS

§ Keypad	3x4 blue illuminated keys (Always On, Always Off and Auto Dimming options) for local programming and 4- to 8-digit PIN codes entry
§ Design	Epoxy-potted, fully-sealed in a rugged thin metal enclosure, highly strong construction and high sensitive piezoelectric keys. Suitable for extremely harsh environments.
§ Audio/Visual	Two tri-colored LED indicators, built-in buzzer

## READER MODE

§ LED Control	Dry contact, N.O.
§ Facility Code	Programmable
§ Card Read Formats	Selectable Wiegand 26-Bit or Clock & Data
§ PIN Code Formats	8 selectable formats, from 1- to 8-digit length PIN Codes

## CONTROLLER MODE

Available with PS-x25T series intelligent power supplies only	
§ Capacity	500 users, single/dual PIN code each
§ User Levels	Normal, Secure and Master
§ Security Modes	Normal, Bypass and 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 IP68
§ Operating Temperature	-30°C to 65°C (-22°F to 150°F)
§ Operating Humidity	0 to 95%

## PHYSICAL SPECIFICATIONS

§ Dimensions	121 x 70 x 8 mm (4.77 x 2.76 x 0.31 in.)
§ Weight	121 g (0.27 lb)

## SYSTEM COMPONENTS

	AYC-T65 (Reader mode) is compatible with standard access controllers. With Rosslare's PS-x25T intelligent power supplies 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). Visit our website: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)

