

AY-T55

Anti-Vandal Piezoelectric 3x4 PIN Reader



The AY-T55 has a slim rugged metal construction with piezoelectric keys, ideal for high traffic and harsh environments where PIN code credentials are needed. This model is epoxy-filled, designed to withstand extremely harsh outdoor environment, and has advanced programming options. This elegant yet robust model can easily interface with Rosslare's or most third-party controllers.

GENERAL DESCRIPTION

This sturdy access control unit provides a rugged reader with advanced access control features, in an aesthetically-designed housing. The AY-T55 offers 8 selectable PIN transmission formats, LED control, and tamper detection to provide extra security and flexibility. Multi-format settings are programmed entirely through the piezoelectric keypad interface. The unit has an attractive slim profile, free from sharp edges, ideal for installations where style and rigidity are important.

MAIN FEATURES

- Supports 4-digit to 8-digit PIN credentials
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large metallic piezoelectric keypad with highly sensitive keys

- 2 tri-colored LEDs and an integral sounder for programming and operation
- User-friendly menu system based on keypad, LED, and sounder indicators
- Back Optical tamper detection output
- Door bell feature ('*' key), when operated with Rosslare controllers

PROFESSIONAL GRADE FEATURES

- 8 selectable PIN transmission modes including options for key stream, binary, parity, and 3x4 Matrix
- LED control
- Programmable Facility code
- Comes with a mounting and drilling label, security screw, and tool set to prevent unauthorized opening

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC, from a regulated power supply
■ Standby Input Current	30 mA
■ Maximum Input Current	120 mA
■ LED Control Input	Dry Contact, N.O.
■ Tamper Output	Open collector, active low, max. sink current 32 mA

OPERATIONAL SPECIFICATIONS

■ Keypad	3x4 keypad for PIN codes entry and local programming Doorbell key ('*') function (with Rosslare controllers only)
■ Facility Code	Programmable
■ PIN Code Formats	8 selectable formats, from single-digit to 8-digit PIN codes, including: - Wiegand 6-Bit and 8-Bit, nibble and parity bit options, optional Rosslare format - 1–5 keys, fixed 4 keys and 6 keys BCD with Facility code, Wiegand 26-Bit - 3x4 matrix single key - 1 to 8 keys BCD, Clock & Data
■ Audio/Visual	Two tri-color LED indicators, built-in sounder
■ Design	Epoxy-potted, fully-sealed in a rugged metal slim enclosure, high strength construction, high-sensitive piezoelectric metal keys, no moving parts. Highly suitable for extremely harsh environments.

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for outdoor use (meets IP65)
■ Operating Temperature Range	-31°C to 63°C (-25°F to 145° F)
■ Operating Humidity Range	0% to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	120 x 65 x 27 mm (4.7 x 2.6 x 1.1 in.)
■ Weight	500 g (17.6 oz)

SYSTEM COMPONENTS

The AY-T55 is compatible with a variety of Rosslare's access controllers, as well as with many third-party access control systems.

PRODUCT WARRANTY

5-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

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