

## AY-T55B

### Anti-Vandal Backlit Piezo 3x4 PIN Reader

The AY-T55B has a slim rugged metal construction with unique, shiny blue illuminated piezoelectric keys, which combines high sturdiness with an elegant, attractive look. This model, epoxy filled, is designed to withstand extremely harsh outdoor environments, and has advanced programming options. This elegant yet robust model can easily be interfaced with Rosslare's or most third-party controllers.

### General Description

For greater peace of mind, this sturdy access control unit provides a rugged reader with advanced access control features, in an aesthetically-designed housing.

The AY-T55B offers 8 selectable PIN transmission formats, LED Control, and tamper detection, providing extra security and flexibility.

Multi-format settings are programmed solely via 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 to 8-Digit PIN credentials
- Smooth, attractive design, with all-weather indoor and outdoor operation
- Large illuminated, metallic piezoelectric Keypad with highly sensitive keys
- Two tri-colored LEDs and an integral sounder for programming and operation
- User friendly menu, based on keypad, LED and sounder indicators
- Optical back and cover 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 templates, security screw, and tool set to prevent unauthorized opening
- 23.6 inch (60 cm) shielded interface cable

# AY-T55B Anti Vandal Backlit Piezo 3x4 PIN Reader



## Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage Range:	5-16 VDC, from a regulated power supply.
• Input Current:	Standby: 90mA @ 12 VDC Maximum: 180mA @ 12 VDC
• LED Control:	Dry Contact, N.O.
• Tamper:	Optical back tamper sensor, O.C. active low 32mA max sink current
OPERATIONAL CHARACTERISTICS	
• Keypad:	3x4 blue illuminated Keys for PIN codes entry and local programming Door bell key ('*') function (with Rosslare controllers only)
• Facility code:	Programmable
• PIN Code formats:	8 selectable formats, from single to 8 digit PIN Codes, including: - 6 and 8 Bits Wiegand, Nibble and Parity bit options, optional Rosslare Format - 1-5 keys, fixed 4 keys and 6 keys BCD with facility code, Wiegand 26 bits - 3x4 Matrix single key - 1 to 8 keys BCD, Clock & Data
• Audio/Visual:	Two tri-colored LED indicators, Built-in sounder
• Design:	Epoxy potted, fully sealed in a rugged, slim, metal enclosure, highly robust construction, High-sensitive Piezo metal keys, and No moving parts. Exceptionally suitable for extreme harsh environments.
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Water resistant, suitable for outdoor use (IP65)
• Operating Temperature:	-25°F to 145°F (-31°C to 63°C)
• Operating Humidity:	0 to 95% (non-condensing)
• RFI Protection:	> 20 V/m up to 1000 MHz
PHYSICAL CHARACTERISTICS	
• Dimensions:	4.72 x 2.6 x 1 inch (120 x 65 x 27mm)
• Weight:	1.1 lbs (502g)

## System Components

The AY-T55B is compatible with a variety of Rosslare's access controllers (AC-225, AC-215, AC-115, AC-020, AC-015), as well as with many third party access control systems.



AC-525



AC-225



AC-115

## Additional Information

The AY-T55B is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)



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