# AY-Q54B

## Anti Vandal Backlit 3x4 PIN & Prox Reader

**The new AY-Q54B features unique shiny blue illuminated metal keys on a metallic housing, ideal for high traffic and harsh environments, where PIN code access is required. This model is epoxy filled, designed to withstand the rigors of the outdoor environment, and has advanced programming options. This attractive looking yet robust model can be easily interfaced with Rosslare 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-Q54B offers programmable PIN transmission formats, LED Control, and tamper detection, in order to provide extra security and flexibility.

Come rain or shine, this reader can handle the challenge, with its rugged metal housing and waterproof enclosure for maximum durability.

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 codes.
- Smooth, attractive design, with all-weather indoor and outdoor operation.
- Large, metallic blue illuminated Keypad buttons.
- 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.
- Programmable facility code.
- Comes with a mounting and drilling label, security screw, and tool set to prevent unauthorized opening.
- 60 cm (23.6 in.) shielded interface cable.

# AY-Q54B  Anti Vandal Backlit 3x4 PIN Reader

## Product Specifications

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| **ELECTRICAL CHARACTERISTICS** | |
| • Operating Voltage Range: | 5-16 VDC, from a regulated power supply. |
| • Input Current: | Standby: 60mA at 12 VDC<br>Maximum: 100mA at 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<br>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:<br>- 6 and 8 Bits Wiegand, Nibble and Parity bit options, optional Rosslare Format<br>- 1-5 keys, fixed 4 keys and 6 keys BCD with facility code, Wiegand 26 bits<br>- 3x4 Matrix single key<br>- 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 enclosure, highly strong construction, blue backlit metallic keys. Suitable for extremely harsh environments. |
| **ENVIRONMENTAL CHARACTERISTICS** | |
| • Operating Environment: | Water resistant, suitable for outdoor use (IP65) |
| • Operating Temperature: | -31°C to 63°C (-25°F to 145°F) |
| • Operating Humidity: | 0 to 95% (non-condensing) |
| • RFI Protection: | > 20 V/m up to 1000 MHz |
| **PHYSICAL CHARACTERISTICS** | |
| • Dimensions: | 120mm x 76mm x 22mm (4.72" x 3" x 0.966") |
| • Weight: | 410g (0.9 lbs) |

## System Components

The AY-Q54B is compatible with a variety of Rosslare's access controllers (AC-215, AC-115, AC-020, AC-015), as well as with many third party access control systems.

## Additional Information

The AY-Q54B is covered by Rosslare's 5-year Limited Product Warranty.

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