# AC-Q42HB

## Anti-Vandal Backlit PIN & Prox Standalone Controller

**This advanced anti-vandal, 500 user standalone controller features shiny blue illuminated metal keys for PIN code and a built-in proximity reader for RFID user credentials. AC-Q42HB has a rugged metal construction ideal for high traffic environments. This model comes with removable terminal blocks, for quick installation, and has advanced programming options.**

## General Description

The AC-Q42HB anti-vandal controller has a unique combination of large backlit metal keys and a built-in heater. It offers a higher level of user accessibility in low light areas.

AC-Q42HB has an attractive profile, free from sharp edges, ideal for installations where style and functionality are highly important.

This feature-rich unit offers all weather operation, with flexible programming capabilities including a unique "code search" for simple user management.

Non-volatile memory protects the storage of user database, modes and parameters.



## Main Features

- Built-in 125 kHz RFID card reader

- 500 users can have PIN and / or RFID credentials for granting access.

- Smooth attractive design, with anti-vandal construction.

- Highly-visible blue backlit keypad.

- 3 operational Security Levels can be selected with special PIN codes.

- Supports up to 8-digit PIN codes, with timed wrong code lockout after 3 wrong attempts.

- 2 tri-colored LEDs and integral sounder for programming and operation.

- Removable terminal blocks are used for connecting the wires to the unit.

**PROFESSIONAL GRADE FEATURES**

- Optical tamper detection output.

- Automatic internal heater prevents key freeze at -20˚C (4˚F).

- 10 programmable modes for auxiliary input and output (2 Amp Form C Relay.)

- 2 Amp Form C Lock Strike Relay, for fail-safe and fail-secure, with input for REX.

- Supports: Door Ajar, Forced, Shunt, Monitor, and Secure mode.

- Door bell key feature operation (from '✱' bell key), with Rosslare's accessory BLD40.

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## Product Specifications

| ELECTRICAL CHARACTERISTICS | |
|---|---|
| • Operating Voltage Range: | 12 to 24VDC, from a regulated power supply<br>16 to 24VAC, from a transformer |
| • Input Current: | (Heater Off) Standby: 85mA, Maximum: 145mA, at 12VDC<br>(Heater On) Standby: 565mA, Maximum: 625mA, at 12VDC |
| • Relay Outputs: | Lock Strike: 2A, N.O. and N.C.<br>Auxiliary: 2A, N.O. and N.C. |
| • Tamper: | Optical back tamper sensor, O.C. active low 32mA max sink current |
| • Inputs: | REX: N.O. Dry Contact<br>Auxiliary (In/Monitor): N.O. Dry Contact. 10 Programmable modes |
| • Proximity Card Reader: | Maximum read range*: 65mm (2.5")<br>Modulation: ASK at 125 kHz<br>Compatible cards: All 26-Bit EM Cards<br>* Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal. |
| **OPERATIONAL CHARACTERISTICS** | |
| • Capacity: | 500 Users, single / dual code each |
| • Keypad: | 3x4 Keys for local programming and 4 to 8 digit PIN codes entry |
| • User Levels: | Normal / Secure, Master |
| • Security Modes: | Normal, Bypass and Secure |
| • Audio/Visual: | Interface for BL-D40 (bell, chime and siren enunciator)<br>Two tri-color LED indicators, Built-in sounder |
| • Design: | Rugged metal enclosure, highly strong construction, blue backlit metallic keys. Suitable for extremely harsh environments. |
| **ENVIRONMENTAL** | |
| • Operating Environment: | Water resistant, suitable for outdoor use, meets IP54 |
| • Operating Temperature: | -20°C to 60°C (-4°F to 140°F). Built-in heater to prevent key freezing |
| • Operating Humidity: | 0 to 95% (non-condensing) |
| • RFI Protection: | > 20 V/m up to 1000 MHz |
| **PHYSICAL CHARACTERISTICS** | |
| • Dimensions: | 120mm x 76mm x 27mm (4.72" x 3" x 1.06") |
| • Weight: | 440g (1 lbs) |

## System Components

A variety of Rosslare's proximity cards and tags is available for use with this unit.
The BL-D40 alarm, chime and door bell enunciator / strobe unit can be interfaced to the unit, as well as the EX-01 Push to Exit button.

## Additional Information

The AC-Q42HB is covered by Rosslare's 2-year Limited Product Warranty.

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