

# AC-Q42HB

## Anti-Vandal Backlit PIN & Proximity 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 user credentials for granting access
- Highly-visible blue backlit keypad
- Smooth attractive design, with anti-vandal construction
- 3 operational Security Levels can be selected with special PIN codes
- Supports up to 8-digit PIN codes, with timed wrong code lockout after several 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
- 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 '\*' key), with Rosslare's BL-D40 accessory

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

|                           |   |
|---------------------------|---|
| ■ Operating Voltage Range | 12 to 24 VDC, from a regulated power supply<br>16 to 24 VAC, from a transformer   |
| ■ Input Current           | (Heater Off) Standby: 85 mA, Maximum: 145 mA, at 12 VDC<br>(Heater On) Standby: 565 mA, Maximum: 625 mA, at 12 VDC  |
| ■ 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 32 mA 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*: 65 mm (2.5 in.)<br>Modulation: ASK at 125 kHz<br>Compatible cards: All 26-Bit EM Cards<br>* Measured using a Rosslare proximity card or equivalent. Range also depends on electrical environment and proximity to metal. |

## OPERATIONAL SPECIFICATIONS

|                  |  |
|------------------|--|
| ■ 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, 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 SPECIFICATIONS

|                         |  |
|-------------------------|--|
| ■ Operating Environment | Water resistant, suitable for outdoor use, IP54 rated                  |
| ■ 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 SPECIFICATIONS

|              |  |
|--------------|--|
| ■ Dimensions | 120 x 76 x 27 mm (4.72 x 3 x 1.06 in.) |
| ■ Weight     | 440 g (1 lb)                           |

## SYSTEM COMPONENTS

The AC-Q42HB is compatible with the BL-D40 alarm, chime and door bell enunciator/strobe unit, as well as with the EX-01 Push to Exit button.

## PRODUCT WARRANTY

2-Year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

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