

# 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 16 to 24 VAC, from a transformer
■ Input Current	(Heater Off) Standby: 85 mA, Maximum: 145 mA, at 12 VDC (Heater On) Standby: 565 mA, Maximum: 625 mA, at 12 VDC
■ Relay Outputs	Lock Strike: 2A, N.O. and N.C. 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 Auxiliary (In/Monitor): N.O. Dry Contact, 10 programmable modes
■ Proximity Card Reader	Maximum read range*: 65 mm (2.5 in.) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * 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) 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)
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## 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

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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