

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**

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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	
<ul><li>Capacity</li></ul>	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)
RFI Protection	> 10 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

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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