

# AC-Q42SB

## Anti-Vandal Slim Backlit PIN & Prox Standalone Controller



**THIS ADVANCED ANTI-VANDAL, 500 USER STANDALONE CONTROLLER FEATURES UNIQUE SHINY BLUE ILLUMINATED METAL KEYS FOR PIN CODE AND A BUILT-IN PROXIMITY READER FOR RFID USER CREDENTIALS. AC-Q42SB HAS A SLIM, RUGGED METAL CONSTRUCTION IDEAL FOR INSTALLATIONS IN HIGH TRAFFIC ENVIRONMENTS. THIS FULLY SEALED MODEL IS EPOXY FILLED HAS ADVANCED PROGRAMMING OPTIONS.**

### GENERAL DESCRIPTION

The AC-Q42SB 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-Q42SB has an attractive slim profile, free from sharp edges, ideal for installations where style, strength 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 to grant 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
- Wide range of low voltage AC/DC power input

### 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.)
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- 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 24VDC, from a regulated power supply 16 to 24VAC, from a transformer
■ Input Current	(Heater Off) Standby: 85mA, Maximum: 145mA, at 12VDC (Heater On) Standby: 565mA, Maximum: 625mA, at 12VDC
■ 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 32mA 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*: 65mm (2.5") 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
■ Audio/Visual	Interface for BL-D40 (bell, chime and siren enunciator) Two tri-color LED indicators, Built-in sounder
■ Security Modes	Normal, Bypass and Secure
■ Design	Epoxy potted, fully sealed in a rugged metal slim enclosure, highly strong construction, blue backlit metallic keys. Suitable for extremely harsh environments.

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use, meets IP65
■ 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 (H x W x D)	120 x 76 x 22 mm (4.72 x 3 x 0.85 in)
■ Weight	521g (1.18 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 annunciator / strobe unit as well as the EX-01 Push to Exit button can be interfaced to the unit.

## PRODUCT WARRANTY

5-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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