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.)
- 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 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 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) Two tri-color LED indicators, Built-in sounder
• Design:	Epoxy potted, fully sealed in a rugged metal slim enclosure, highly strong construction, blue backlit metallic keys. Suitable for extremely harsh environments.
ENVIRONMENTAL	
• 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 CHARACTERISTICS	
• Dimensions:	120mm x 76mm x 22mm (4.72" x 3" x 0.85")
• Weight:	521 (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.

Additional Information

The AC-Q42SB is covered by Rosslare's 5-year Limited Product Warranty.

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

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RoHS COMPLIANT

TÜV CERT DIN EN 9001:2000 ISO 14001:2004