AC-Q42HB

Backlit Anti-Vandal Standalone PIN & PROX Controller

This advanced 500 user standalone controller features anti-vandal blue backlit metal keys for PIN code and/or RFID user credentials. AC-Q42HB has a rugged metal construction ideal for installations in 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 slim 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.

- 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.

- Removable terminal blocks are used for connecting the wires to the unit.

PROFESSIONAL GRADE FEATURES

- Case and Optical tamper detection output.

- Automatic internal heater prevents key freeze at -20°C (4°F).

- Fully-programmable auxiliary input and output, 3 Amp Form C.

- 3 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 accessories (BLD40)

- Wide range of low voltage AC/DC power input.

- LED color control input.

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Product Specifications

ELECTRICAL CHARACTERISTICS		
• DC Input Power:	12 to 24 VDC, from a regulated power supply	
• AC Input Power:	16 to 24 VAC, from a transformer	
• Maximum Input Current:	Heater Off : 145mA at 12 VDC	
	Heater On: 625mA at 12 VDC	
• Standby Input Current:	Heater Off : 85mA at 12 VDC	
	Heater On: 565mA at 12 VDC	
• Maximum Relay Current:	3 Amps Normally Open or Normally Closed (Lock Strike and Aux. Relays)	
OPERATIONAL CHARACTERISTICS		
• REX Input:	Normally Open (Dry Contact) for activating the lock strike	
• AUX Input:	Normally Open (Dry Contact) for door monitoring.	
• PIN-Codes:	1- Digit to 8-Digit PIN Codes	
• LED:	Two Status / Programming Interface LED's, 3 Colors	
• 3 Security Modes:	Three Modes of Operation	
	o Normal Mode : All users PIN and/or Prox access	
	o Bypass Mode: Open for non-users ("*" Key)	
	o Secure Mode: Secure users PIN and Prox access	
ENVIRONMENTAL CHARACTERISTICS		
• Operating Environment:	Indoor Use and Outdoor Use – IP54 rated	
• Operating Temperature:	-20°C to 60°C (-4°F to 140°F): internal heater activates at low temperature.	
• Operating Humidity:	0 to 95% Non-condensing	
• RFI Protection:	> 20 V/m up to 1000 MHz	
PHYSICAL CHARACTERISTICS		
• Dimensions:	120mm L x 76mm W x 27mm D (4.72 in. x 3.00 in x 1.06 in.)	
• Weight:	440 g (0.97 lbs)	

System Components

We recommend selecting Rosslare's full range of standard Wiegand 26-Bit Readers.

Anti-Vandal
Biometric
Outdoor
PIN / PROX
Smart-Card

Additional Information

The AC-Q42HB 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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