

AC-Q42H

Anti-Vandal PIN & Prox Standalone Controller

This advanced 500 user standalone controller features anti-vandal metal keys for PIN code and/or RFID user credentials. AC-Q42H 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-Q42H anti-vandal controller has a unique combination of metal keys and a built-in heater, which prevents key freezing and keeps the unit functional in very low temperature.

AC-Q42H 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.
- 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.
- 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.



Product Specifications

| ELECTRICAL CHARACTERISTICS | |
|-----------------------------|--|
| • Operating Voltage Range: | 12 to 24 VDC, from a regulated power supply 16 to 24 VAC, from a transformer |
| • Input Current: | (Heater Off) Standby: 65 mA, Maximum: 125 mA, at 12 VDC (Heater On) Standby: 545 mA, Maximum: 605 mA, at 12 VDC |
| • Relay Outputs: | Lock Strike: 2 A, N.O. and N.C. Auxiliary: 2 A, 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*: 2.5 inch (65 mm) 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: | Rugged metal enclosure, highly strong construction, metallic keys. Suitable for extremely harsh environments. |
| ENVIRONMENTAL | |
| • Operating Environment: | Water resistant, suitable for outdoor use, IP54 rated |
| • Operating Temperature: | -4°F to 140°F (-20°C to 60°C). 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: | 4.72 x 3 x 1.06 inch (120 x 76 x 27 mm) |
| • Weight: | 1 lbs (440 g) |

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 enunciator / strobe unit as well as the EX-01 Push to Exit button can be interfaced to the unit.



Additional Information

The AC-Q42H is covered by Rosslare's 2-year Limited Product Warranty.

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

