AC-Q44
Anti-Vandal Piezo PIN & Prox Standalone Controller

This advanced anti-vandal, 500 user standalone controller features a unique combination of a highly robust metallic unit with a built-in proximity reader for PIN and RFID user credentials. AC-Q44 has a slim and rugged metal construction with no moving parts, ideal for high traffic and extremely harsh environments. This fully sealed model is epoxy filled, has advanced programming options and flexible operation modes.

General Description

The AC-Q44 anti-vandal controller has a unique combination of metallic construction with large PIEZO metal keys, and an integral 125 KHz proximity card reader.

AC-Q44 has two form C 3Amp relay outputs and 2 inputs, within a SLIM profiled potted metal housing, it is free from sharp edges ideal for installations where style, strength and performance are highly important.

This feature-rich unit offers all weather operation, with flexible and easy 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 for granting access.

- Smooth attractive design, with anti-vandal construction.

- Highly-sensitive Piezo metal keys.

- 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.

- 10 programmable modes for auxiliary input and output (3 Amp Form C Relay.)

- 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 '✱' 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:	Standby: 65mA, at 12VDC Maximum: 125mA, at 12VDC
● Relay Outputs:	Lock Strike: 3A, N.O. and N.C. Auxiliary: 3A, 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, super strong construction, High-sensitive Piezo metal keys. Highly 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)
● 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:	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 enunciator / strobe unit as well as the EX-01 Push to Exit button can be interfaced with the unit.

Additional Information

The AC-Q44 is covered by Rosslare's 5-year Limited Product Warranty.

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