

# 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 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
- Highly-sensitive Piezo metal keys
- 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
- 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 '\*' key), with Rosslare's BL-D40 accessory

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	12 to 24 VDC, from a regulated power supply 16 to 24 VAC, from a transformer
■ Input Current	Standby: 65 mA, at 12 VDC Maximum: 125 mA, at 12 VDC
■ 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 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*: 65 mm (2.5 in.) 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 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
■ Security Modes	Normal, Bypass, 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 SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use, IP65 rated
■ 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 SPECIFICATIONS

■ Dimensions	120 x 76 x 22 mm (4.72 x 3 x 0.85 in.)
■ Weight	521 g (1.18 lbs)

## SYSTEM COMPONENTS

A variety of Rosslare's proximity cards and tags is available for use with this unit.  
The AC-Q44 compatible with the BL-D40 alarm, chime and door bell enunciator/strobe unit, as well as with the EX-01 Push to Exit button.

## PRODUCT WARRANTY

5-year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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