ROSSLARE
SECURITY PRODUCTS

AC-020
Two-Door Access Controller

The AC-020 controller is a compact yet fully featured solution for two-door access control. It supports two readers (In/In), two lock-strikes and two request-to-exit (REX) inputs. The integrated power supply unit powers the strikes and readers and has a built-in backup battery charger. This compact and cost effective unit is easy and quick to install. Programming is set on the local keypad. The AC-020 is compatible with a wide range of readers and lock types.

General Description

The AC-020 is a 500-user two-door access controller with two standard Wiegand 26-Bit reader interfaces for connecting two readers in an In/In configuration.

For an integrated two-door solution, the hardware powers two 12VDC 1.2A lock strikes, two 5 Amp relays for door strikes and two request-to-exit (REX) inputs.

With a user-friendly LED and Sounder tone-based programming menu, and conveniently located terminal blocks, the AC-020 is quick and easy to install.

Unique built-in features include: tamper detection, bell sounder, backup 12V battery charger, and keypad (which can be used as a PIN reader). The unit supports multiple security mode levels and user levels.

Main Features

- Two-door controller in one compact model that has many integrated features.
- Powers two lock strikes with maximum of 1.2A at 12VDC power.
- Simple and quick programming.
- 500 Users (PIN or PROX) across two doors.
- Supports two PIN and/or Proximity readers.
- Two request-to-exit (REX) inputs.
- Built-in speaker for doorbell, tamper alarms, and chime.
- Easy to access terminal blocks for wiring.

PROFESSIONAL GRADE FEATURES

- Compact, lightweight and yet powerful all-in-one integrated solution.
- Tamper detection function for readers and for the main unit (cover and cable cut).
- Two Form C strike relays with selectable lock relay outputs (N.O and N.C) supports fail-safe and fail-secure applications.
- 2 programmable user levels and 3 settable security modes.
- Internal power supply for strikes, readers and inputs with a built-in charger for external backup battery.
- Programmable locally on the built-in keypad with a user-friendly LED and Sounder tone menu.

CREATE YOUR OWN PEACE OF MIND

AC-020 Two-Door Access Controller

Product Specifications

ELECTRICAL CHARACTERISTICS	
• Input Power:	16V AC (1.5A, 25VA) from a transformer
• Input Current:	Standby: 65mA (Not including attached devices) Maximum: 120mA (Not including attached devices)
• Relays:	2 Strike Relays: 5 Amp Form C, Normally Open or Normally Closed
• Battery Charger:	For 12 Volt Sealed Lead Acid (SLA) type up to 7Ah
• Internal Power Supply:	For two Lock Strikes: 12VDC Locks with 1.2A current limit For Readers: 12VDC with 300mA current limit
OPERATIONAL CHARACTERISTICS	
• Two REX Inputs:	Normally Open (Dry Contact) for activating the lock strike
• PIN-Codes:	Programmable 4-digit PIN codes
• 2 User Levels:	10 master users, 490 normal users
• 3 Security Modes:	Three modes of operation: Normal Mode/Bypass Mode/Secure Mode
• Audio/Visual:	Built in Sounder (bell, chime, siren)/Two tri-color LEDs
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Indoor use
• Operating Temperature:	-31°C to 63°C (-25°F to 145°F)
• Operating Humidity:	0 to 95% (non-condensing)
• RFI Protection:	> 20 V/m up to 1000 MHz
PHYSICAL CHARACTERISTICS	
• Dimensions:	134mm L x 85mm W x 30mm D (5.3 in. x 3.4 in. x 1.2 in.) - Fits US Gang Box
• Weight:	220 g (0.5 lbs)

System Components

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

Anti-Vandal
Biometric
Outdoor
PIN / PROX
Smart-Card

Additional Information

The AC-020 is covered by Rosslare's 2-year Limited Product Warranty. For sales information or product documentation, please visit our website: http://www.rosslaresecurity.com.

Model: AC-020

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