

# AC-020

## Dual Door Standalone 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 LOCKS 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 unit powers two 12 VDC 1.2 A lock 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 12 V 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 1.2 A at 12 VDC power
- Simple and quick programming
- 500 Users (PIN or Proximity) across two doors

- Supports two PIN and/or Proximity readers
- Two REX inputs
- Built-in speaker for doorbell, tamper alarms, 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 support fail-safe and fail-secure applications
- 2 user levels (Master and Normal) and 3 settable security modes
- Internal power supply for strikes, readers and inputs with a built-in charger for external backup battery
- Local user friendly programming using the built-in keypad with LED and sounder tone menu

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Input Power	16 VAC (1.5 A, 25 VA) from a transformer
■ Input Current	Standby: 65 mA (not including attached devices) Maximum: 120 mA (not including attached devices)
■ Relays	Two Lock Strike relays: 5 A Form C, N.O.
■ Battery Charger	12 V Sealed Lead Acid (SLA) type up to 7 Ah
■ Internal Power Supply	Lock Strike: 12 VDC, 1.2 A current limit Readers: 12 VDC, 300m A current limit

## OPERATIONAL SPECIFICATIONS

■ Capacity	500 users (10 master users, 490 normal users)
■ REX Input	Two N.O. (Dry Contact) for activating the lock strike
■ Reader Inputs	Two standard Wiegand 26-Bit Proximity/PIN readers
■ PIN-Codes	Programmable 4-digit PIN codes
■ Security Modes	Normal, Bypass, Secure
■ Audio/Visual	Built-in sounder (bell, chime, siren), two tri-color door status LED indicators

## ENVIRONMENTAL SPECIFICATIONS

■ 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 SPECIFICATIONS

■ Dimensions (L x W x H)	134 x 85 x 30 mm (5.3 x 3.4 x 1.2 in.)
■ Weight	220 g (0.5 lbs)

## SYSTEM COMPONENTS

We recommend Rosslare's full range of standard Wiegand 26-Bit Readers.  
Anti-Vandal Biometric Outdoor PIN / PROX Smart-Card

## PRODUCT WARRANTY

2-year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

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