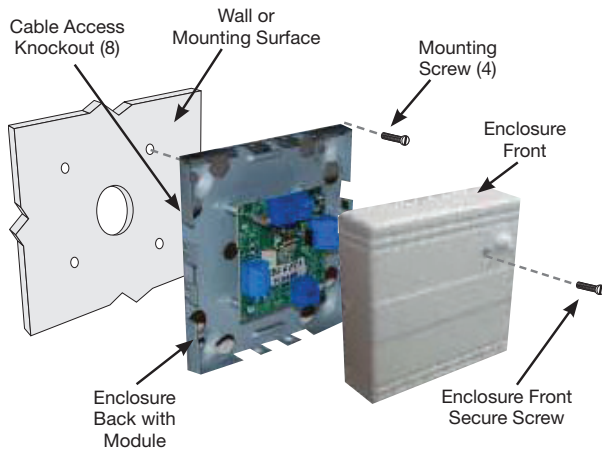


## QUICK SETUP AD102 - RS-485 AR402

### 1. MOUNTING



### 2. WIRING

**NOTE:** To connect AR402 Fingerprint Key to the AD102 module, you must first cut off the white pin connector located at the end of the Fingerprint Key cable. You can then strip the wires for connection directly into the AD102 module, or, you can splice with additional wires for a maximum total span of 4,000 feet.

#### A. Connect AR402

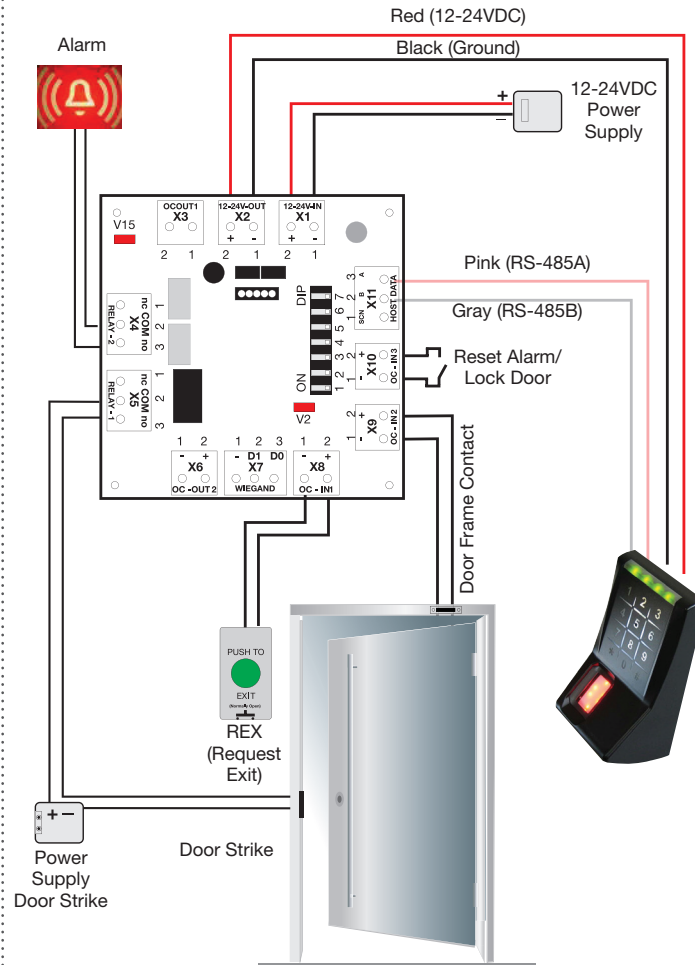
- X2+ to DC-IN Red
- X2 to DC-IN Black
- X11A to RS-485A Pink
- X11B to RS-485B Grey

#### B. Connect

- X5 (Relay-1) to a locking device (electric strike)
- A limited power source for the locking hardware
- X9 to a door contact (recommended)
- (Leave cable link on X9 if no door contact installed)
- X8 to a request to exit button (optional)
- X4 (Relay-2) to an external alarm system (optional)
- X10 to a switch for alarm reset/lock door (optional)

#### C. Connect AD102 to a limited power source 12-24VDC, Minimum 1A, and complying with Limited Power Source according to IEC/EN 60950-1

- X1+ to 12-24VDC
- X1 to Ground



### 3. SET AD102 MODE

- Standard
- Office/Party - DIP-Switch 5 ON
- Two Door Mode - DIP-Switch 6 ON  
(Relay-2 for 2nd door, X8/X9 Request to exit, X10 Lock doors)

### 4. PAIRING AD102-AR402

1. Remove blue connector X11 from AD102 (AR402 RS-485 wires)
2. Set DIP-Switch 2 to position ON
3. AD102 power ON
4. Set AR402 to AD102 mode.  
Enter # 99 # 1234 # 3 #  
AR402 red LED 4 now flashing
5. Reconnect blue connector X11 to AD102
6. Wait until the green status LED on AD102 is lit permanently
7. AD102 power OFF
8. Set DIP-Switch 2 to position OFF
9. AD102 power ON
10. Wait until the green status LED on AD102 flashes quickly and AR402 red LED 4 is no longer flashing.

The system is now functional.

### 5. ADMINISTRATION CODES

Input	Functions
#99#	<b>Activate Admin Mode</b>
-> 1234#	Admin Code
12#	Enrollment - Fingerprint Enrollment
13#	Delete User
1357#*	Delete Database
-> 14#	Open Menu
17#	Door Open Time



BEYOND SECURITY