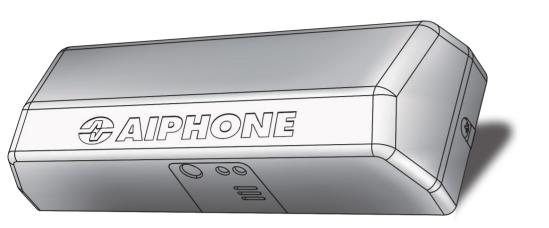
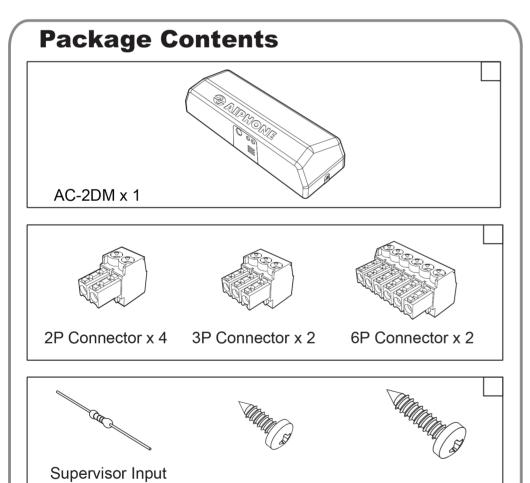


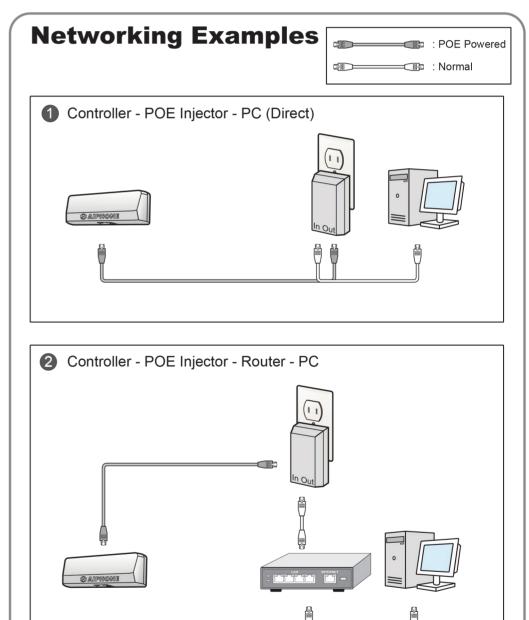
Installation manual AC-2DM



Part Number	Motion Sensor	Color	
AC-2DM-B	Yes	Black	
AC-2DM-W	Yes	White	



Installation Example \bigcirc D Controller С A AC-2DM Outputs В Electric Strike С Auto Door Opener D Extra Loud Buzzer* Inputs ° 🛠 ° G Handicap Open Ė **R**2 Η Door Contact T **R1** G B **Emergency** Alarm J Doorbell **R1** Inside Reader **R2** Outside Reader *Optional Internal Extra Loud Buzzer



Resistor(1KΩ) x 8 Cover screw x 2

Wall s

Wall screw x 4

* LAN or Internet

UL 294 / S319 Compliance Notices

This product complies with the following UL294 Access Control Performance Levels when installed as part of the Listed AC-NIO system :

Endurance Level IV (100,000c) Line Security Level I

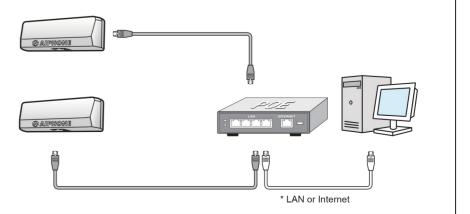
Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, Part I, local codes, and the authorities having jurisdiction. All interconnecting devices must be UL Listed, low-voltage Class 2 power limited. The minimum permissible wire size to be used shall not be less than 26 AWG (0.24 mm2).

Products have been evaluated for "Indoor Use" only, and to be installed within the "protected" or "restricted" area. This product is not intended for outside wiring as covered by Article 800 in the National Electrical Code, NFPA 70. Products are not intended to be installed or mounted in air-handling spaces. Products are intended to be installed by manufacturer trained service installers only.

All recommended connected peripherals such as power supplies, UPS/battery backups, PoE switches, electrified strikes, readers require to be UL Listed.

Please refer to the AC-NIO UL Reference document for more comprehensive information available via the installation USB drive or downloadable from our website. Hard copy of the AC-NIO UL Reference Manual document is available – call for pricing.

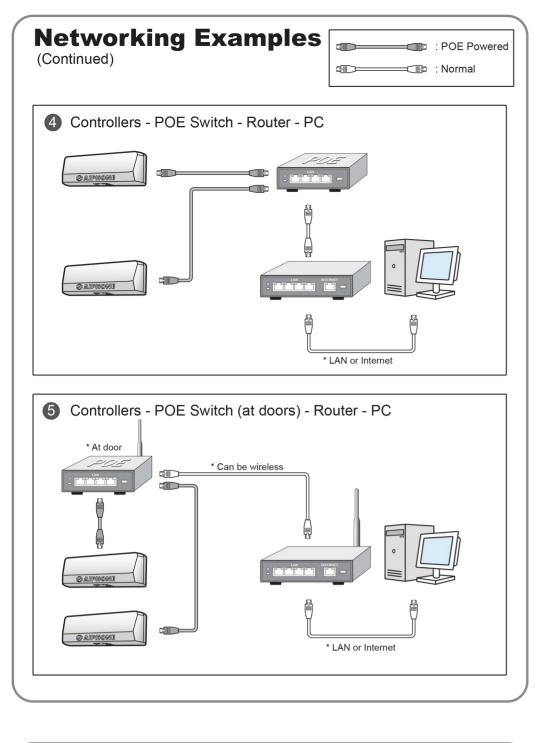
3 Controllers - POE Router - PC



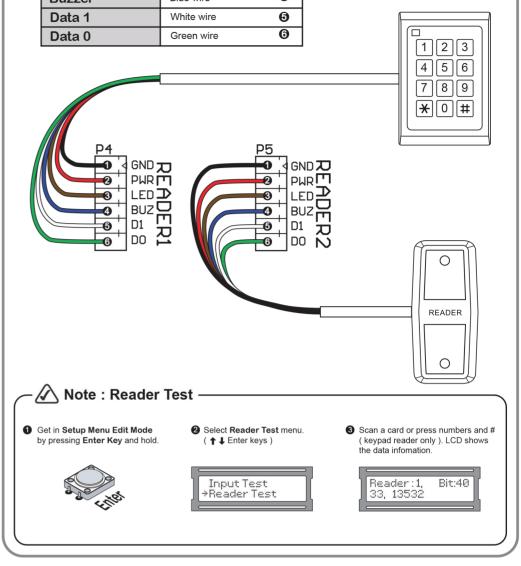
C Aiphone Corporation

Part Number : 19610-19611 Rev 12.22

www.aiphone.com

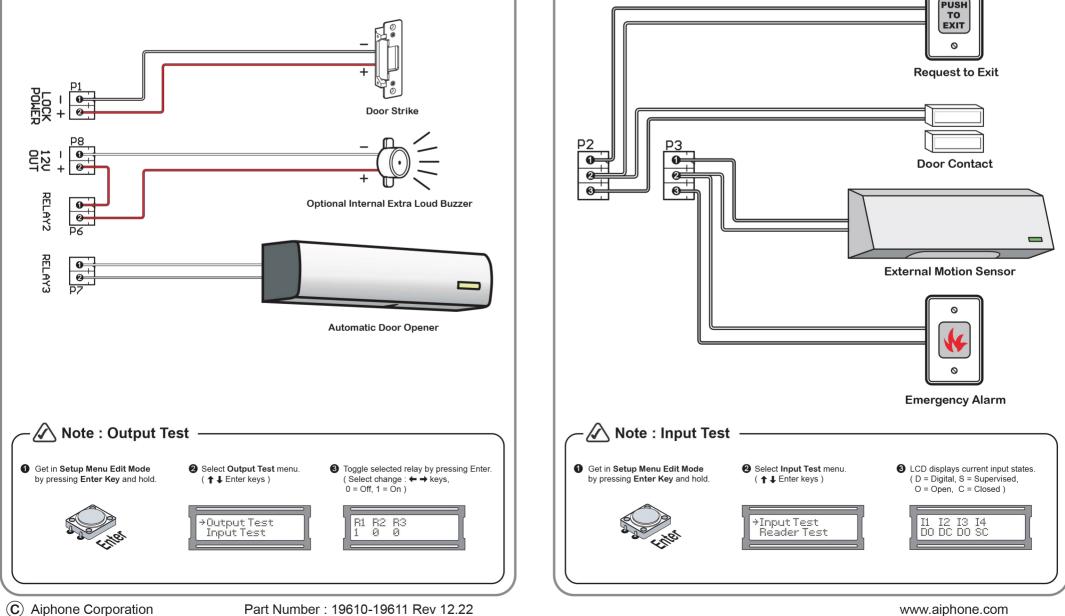


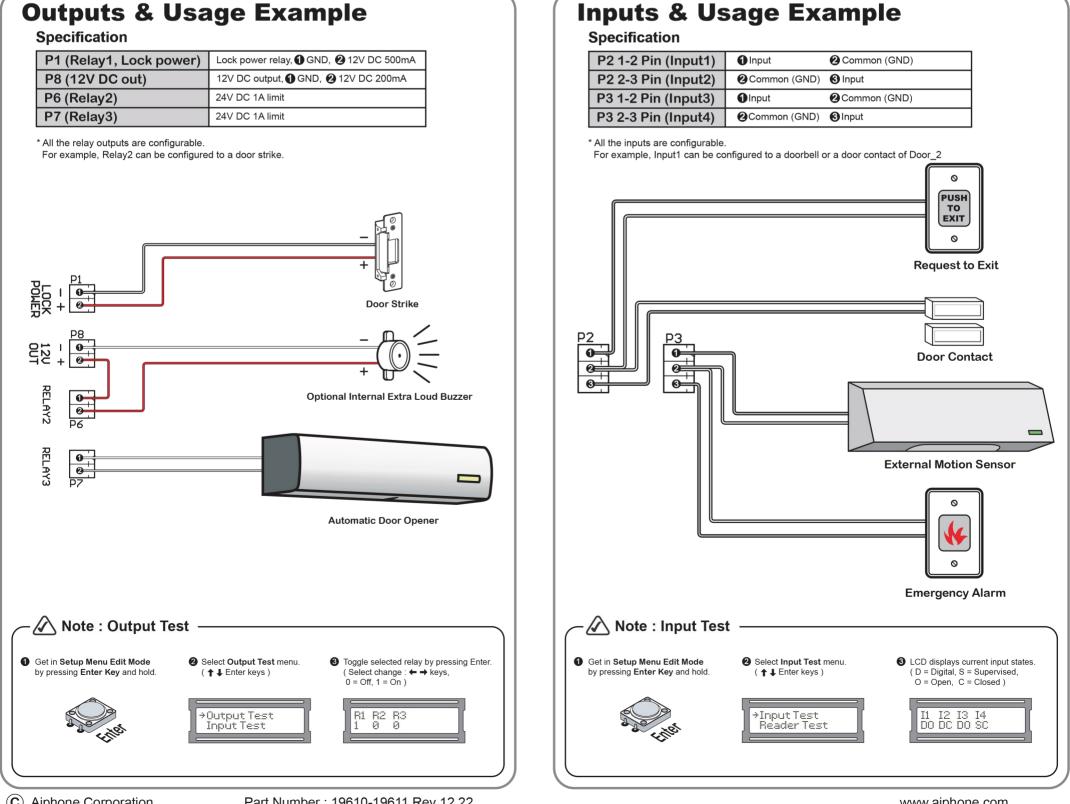
Readers & Usage Example Wiring Specification Black and shield wires Ground Power (12V DC) Red wire 0 LED Brown wire 0 4 **Buzzer** Blue wire

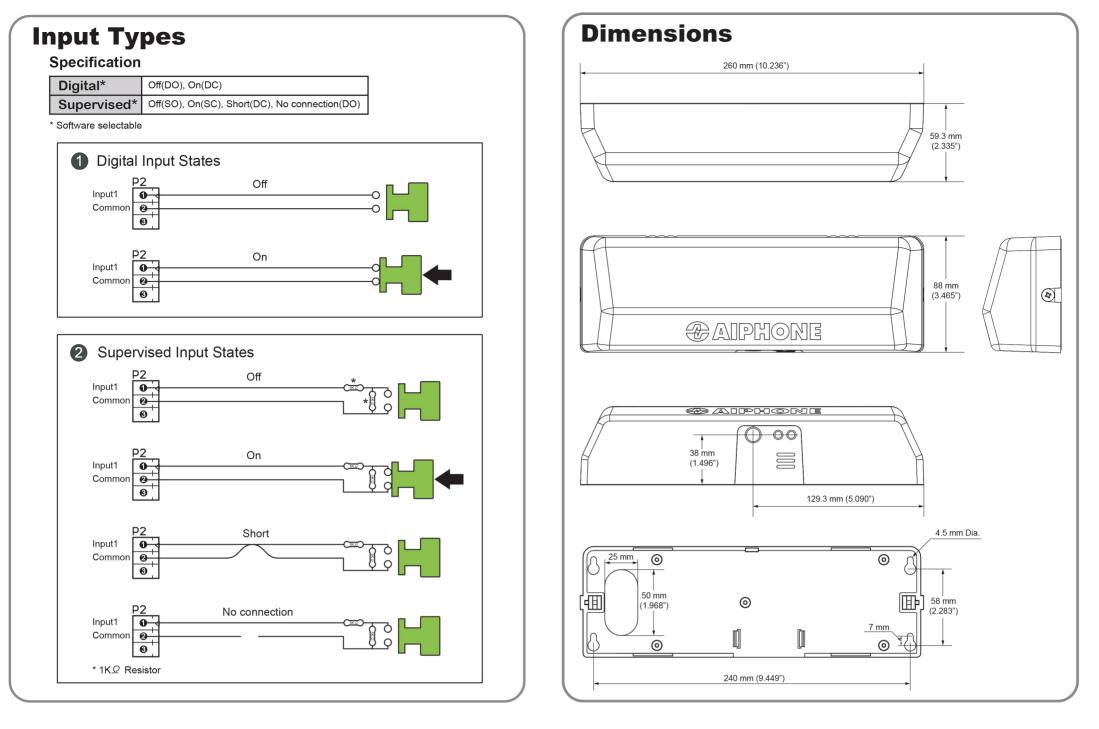


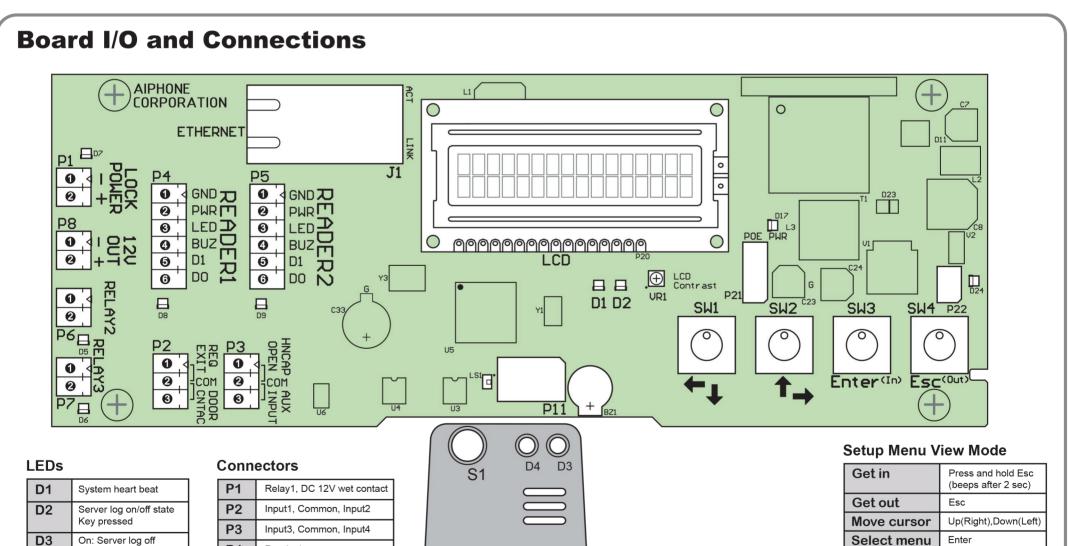
Outputs & Usage Example

P1 (Relay1, Lock power)	Lock power relay, 1 GND, 2 12V DC 500mA
P8 (12V DC out)	12V DC output, 1 GND, 2 12V DC 200mA
P6 (Relay2)	24V DC 1A limit
P7 (Relay3)	24V DC 1A limit









D1	System heart beat
D2	Server log on/off state Key pressed
D3	On: Server log off Blink: Server log in
D4	Green: Motion detected Red: Door Opened
D5	Relay2 on
D6	Relay3 on
D7	Relay1 on
D8	Reader1 data flow
D9	Reader2 data flow
D17	POE power
D24	CPU power
LINK	Ethernet linked
ACT	Ethernet Activity

P1	Relay1, DC 12V wet contac
P2	Input1, Common, Input2
P3	Input3, Common, Input4
P4	Reader1
P5	Reader2
P6	Relay2
P7	Relay3
P8	DC 12V out
P11	Sensor module
P21	Expansion
P22	Expansion
J1	Ethernet

Keys

SW1	Left(←), down(↓)
SW2	Right(→), up(↑)
SW3	Enter, get in
SW4	Esc, exit

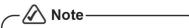
Etc

LS1	Tamper sensor
S1	Motion sensor
BZ1	Embedded buzzer
P20	LCD display
VR1	LCD contrast

Get in	Press and hold Esc (beeps after 2 sec)
Get out	Esc
Move cursor	Up(Right),Down(Left)
Select menu	Enter
Exit menu	Esc

Setup Menu Edit Mode*

Get in	Press and hold Enter (beeps after 2 sec) Enter password**
Toggle cursor	Enter White blink: move Black blink: edit
Get out	Esc
Move cursor	Up(Right),Down(Left)
Select menu	Enter
Exit menu	Esc



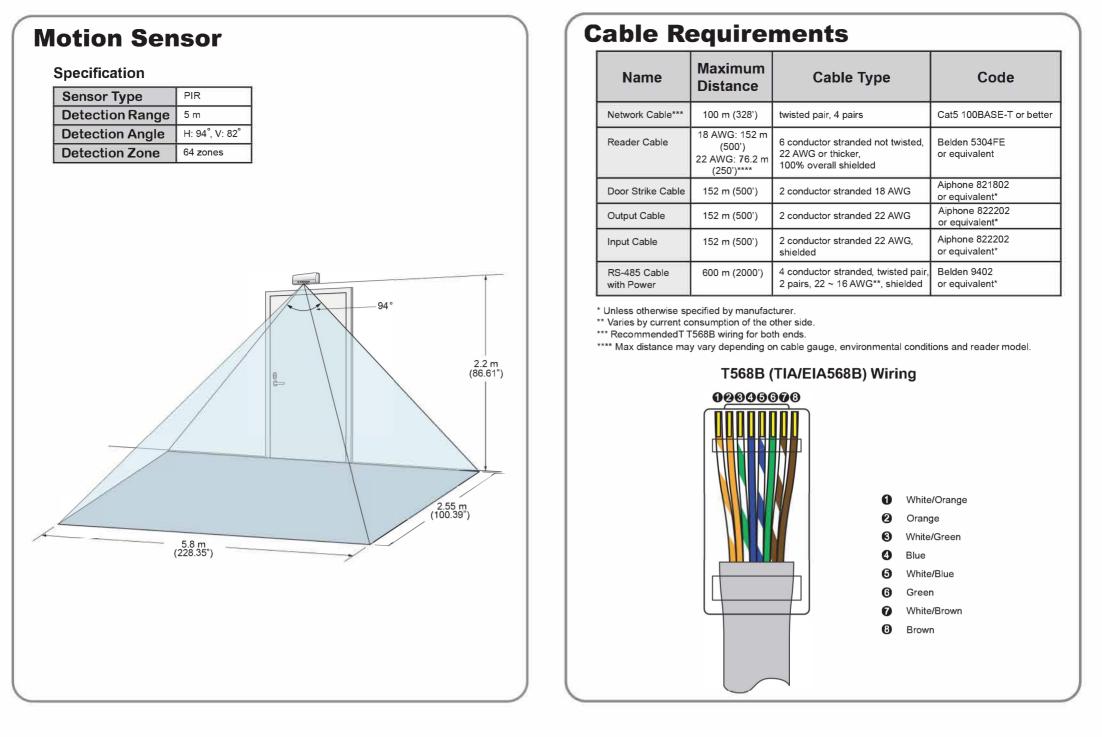
* For a first time installation, use this mode to do the following tests. Output Test : Toggle relays with Enter
Input Test : Shows input states Reader Test : Shows scanned card info

** Factory default password is 0000. Toll Free: 1-800-692-0200

 $(\widehat{\mathbf{C}})$ Aiphone Corporation

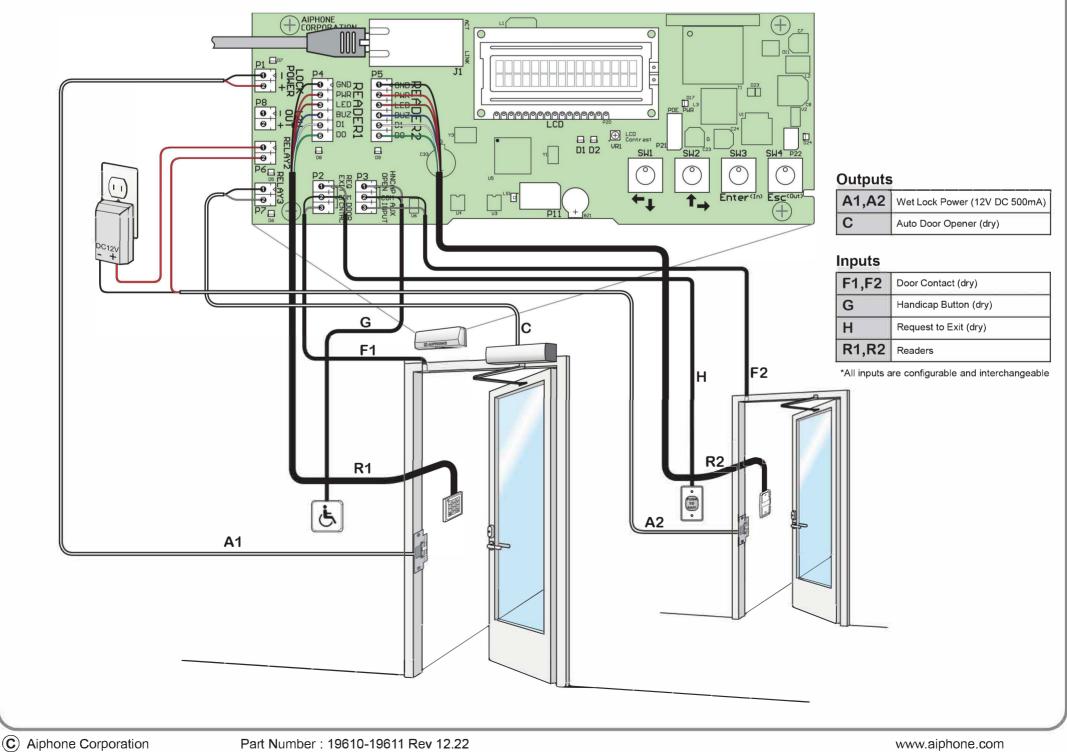
Part Number : 19610-19611 Rev 12.22

www.aiphone.com



Two Door Typical

(with motion, two readers, two door contacts, auto door opener)



Part Number : 19610-19611 Rev 12.22

www.aiphone.com