

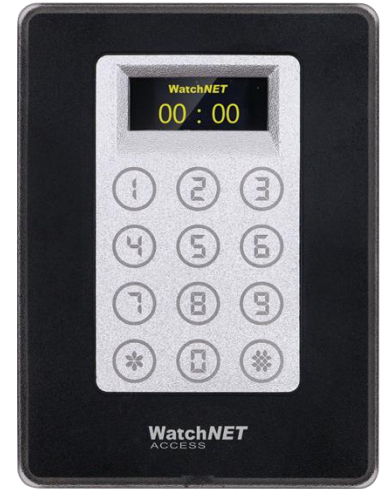


TCP/IP Single door In/Out Controller

Quick Start Guide

(1) Introduction

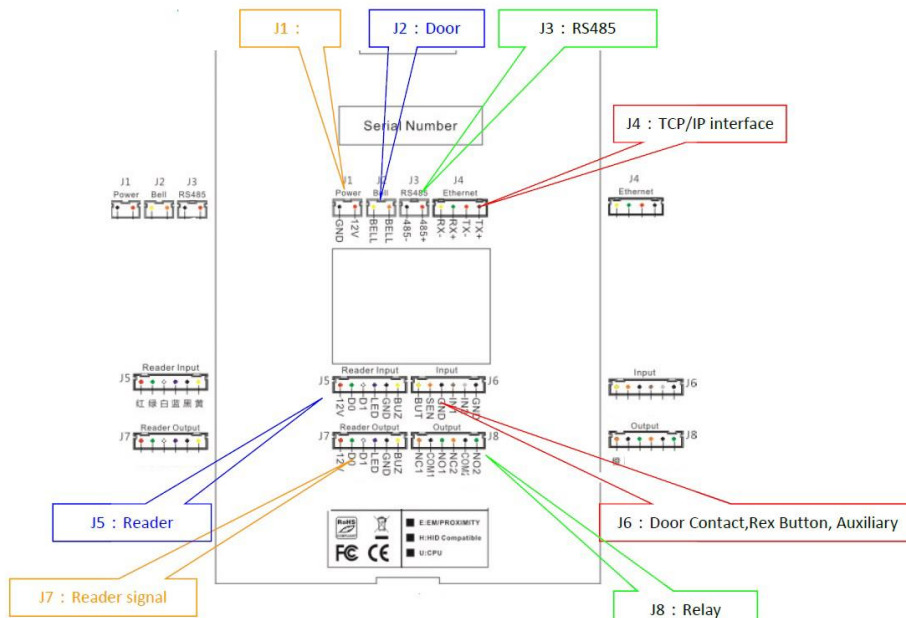
Standalone, 1 Doors, 2 Readers) is an advanced standalone unit allowing for the connection of external reader. The Standalone Series WatchNET Access Controllers consist of two different operational modes. This unit can be used as a Stand Alone Access Control Panel or a standard Networked Single Door Access Control Panel, which are interchangeable if required. Both modes are compatible with the WatchNET Access Software and works well in conjunction with Elevator Controllers and I/O Controllers



WAC-1D2T-Micro

(2) Wiring

Icon	Connection	Definition	Icon	Connection	Definition	Icon	Connection	Definition				
J1	GND	Power Supply	J5	+12V	Reader Input	J7	+12V	Reader Output				
	+12V			D0			D1		LED	GND	BUZZ	
J2	BELL	Bell Connection		J6			BUT		Exit Button	J8	NC1	Lock Relay
	BELL						SEN		Door Contacts		COM1	
J3	-485	RS 485 Connection					IN1		Aux Input 1		NC2	
	+485		IN2		Aux Input 2	COM2	NO2					
J4	RX+	TCP/IP Interface	GND	GND								
	RX+											
	TX-											
	TX+											



(3) **Cable Requirements**

- Power cable:** 18 AWG 7 Strand Bare Copper; 2 Conductors
- Locks:** 18 AWG 7 Strand Bare Copper; 2 or 4 conductors
- Door Contact:** 22 AWG 7 Strand Bare Copper; 2 Conductors
- Reader In/Out:** 22 AWG 7 Strand Bare Copper 3 Individual twisted pairs

(4) **Wiegand Outputs**

Standard 26/34 Wiegand bit format

(5) **Power**

- Required working voltage: **12VDC**
- Standby current: **≤80mA**
- Working current: **≤100mA**

(6) **Powering Standalone Reader**

1. When powered reader will beep one long tone and display will show WatchNET and system time.

(7) **Troubleshooting**

If the reader does not recognized a card or tag or does not turn on please refer to below table

Possible causes	Solutions
Incorrect cabling	Verify wiring, see (2) for proper wiring
No response on flashing a card (Display off, reader not beeping)	Power problem(Check power supply) Invalid card type (use supported card)
Fingerprint or card information missing	Register FP/Card in PC (Connect to PC first)
Cannot open door by flashing card or entering pin	Strikes not powered up (check strikes power supply) Invalid Card/Pin (register your card/Pin)
Door opens when using Pin but not Card	Check card number and register the correct card number with pin

Note: if any solutions above did not work please contact WatchNET Access Technical Support phone number +1-866-843-6865 or visit our website @ www.watchnetaccess.com



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