ASSEMBLING THE SINGLE DOOR CONTROLLER

1 INPUTS

INPUT 4
General purpose
22 AWG

INPUT 3
General purpose
22 AWG

INPUT 2
Request to Exit (built-in reader)
22 AWG

INPUT 1
Door contact (built-in reader)
22 AWG

RJ45 connector for Internet communication. Power can be provided through Power over Ethernet if not provided by the DC power terminals.

WIEGAND CONNECTIONS

DATA 0

GND

DATA 1

BEEP

LED (R)

LED (G)

PWR

Recommended distance and gauge for TX3 card readers:
500 ft (152.4 m)
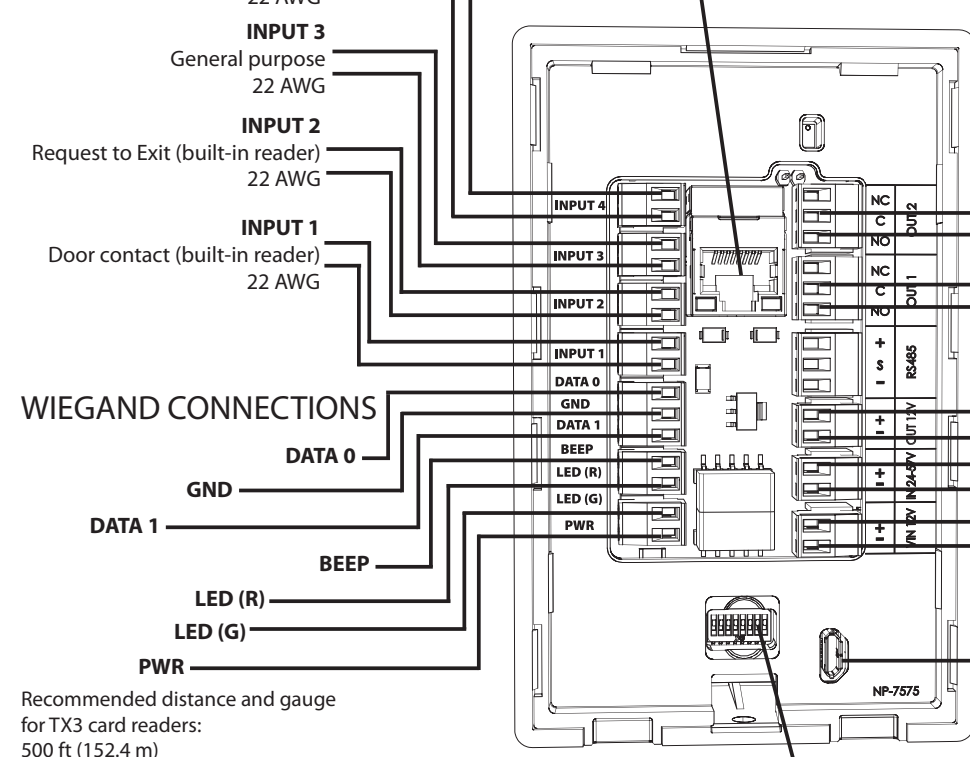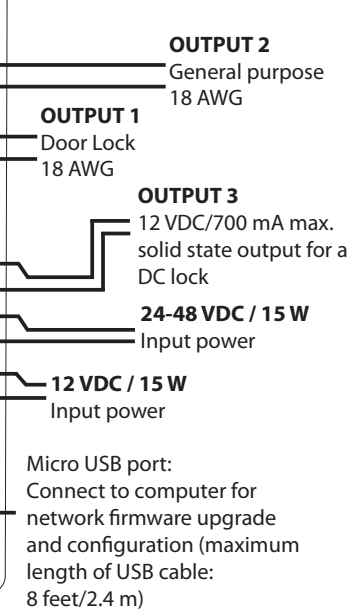Use 20 AWG for 500 ft (152.4 m)
Use 22 AWG for 250 ft (76.2 m)
For other card readers, consult your reader installation manual for recommended distances and gauges.

Terminal labels: INPUT 4, INPUT 3, INPUT 2, INPUT 1, DATA 0, GND, DATA 1, BEEP, LED (R), LED (G), PWR
Terminal labels: NC, C, NO (OUT 2); NC, C, NO (OUT 1); +, S, – (RS-485); +, – (OUT 3); +, – (24-48V IN); +, – (12V IN)

NP-7575

Micro USB port:
Connect to computer for network firmware upgrade and configuration (maximum length of USB cable: 8 feet/2.4 m)

2 OUTPUTS

Outputs 1 and 2 are relay contact programmable outputs with the following characteristics:
normally open (NO)
normally closed (NC) available
30 VDC/2 A
125 VAC/0.5 A

OUTPUT 2
General purpose
18 AWG

OUTPUT 1
Door Lock
18 AWG

OUTPUT 3
12 VDC/700 mA max. solid state output for a DC lock

24-48 VDC / 15 W
Input power

12 VDC / 15 W
Input power

3 DIP SWITCH SETTINGS
FOR RS-485

Use DIP switches 1-6 to set the RS-485 network address. See LT-980 for details.
Set DIP switch 8 off to get an IP address from the DCHP server.
Set DIP switch 8 on to set a fixed IP address using the TX3 Configurator software.

Address 1 Address 2 Address 3 Address 4   ON / OFF
1   8   1   8   1   8   1   8

Warning: Disconnect the power before wiring.

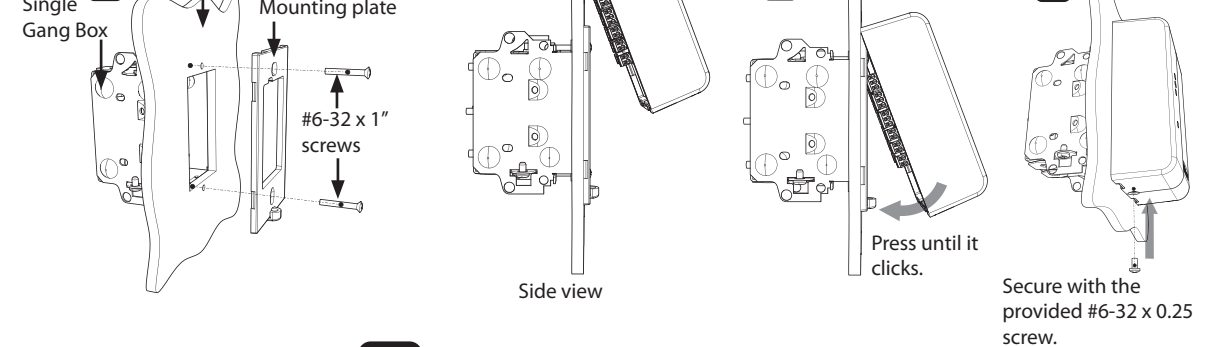**Note: Use only one of the power inputs: PoE, 24-48 VDC, or 12 VDC.**

Wiring Requirements
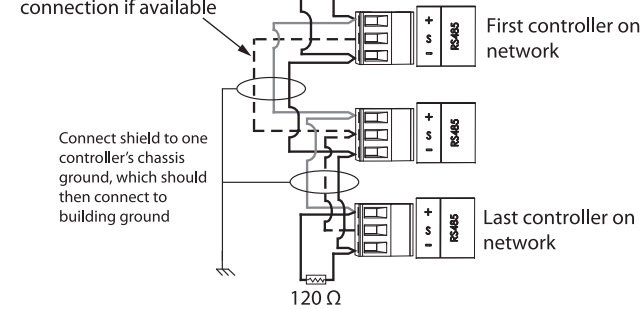- RS-485 wiring maximum length: 4000 ft (1219.2 m)
- PoE maximum length: 328 ft (100 m)

4 RS-485

22 AWG
Maximum length: 4000 ft (1219.2 m), shielded twisted pair

Optional common reference connection if available

120 Ω

First controller on network

Connect shield to one controller's chassis ground, which should then connect to building ground

Last controller on network

120 Ω

For more information, see LT-980 on the Mircom website and USB flash.
Mircom Tech Support: 1-888-MIRCOM5 (888-647-2665) techsupport@mircom.com

5 MOUNTING

A Single Gang Box — Wall — Mounting plate
#6-32 x 1" screws
Side view

B

C Press until it clicks.

D Secure with the provided #6-32 x 0.25 screw.

6 REMOVING

A Remove the screw from the bottom of the unit.

B Insert a screwdriver into one of the two notches on the bottom and turn it to separate the body from the mounting plate.

Note: The Single Door Controller has a tamper feature. When the body is separated from the mounting plate, a tone sounds. It stops sounding when the body is reattached.