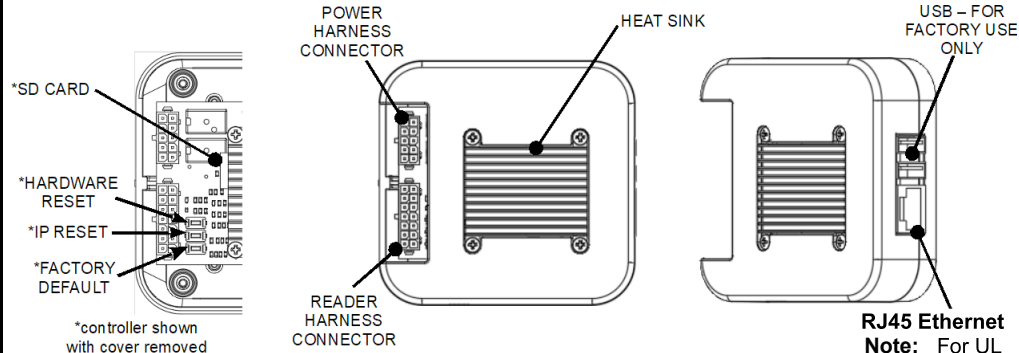


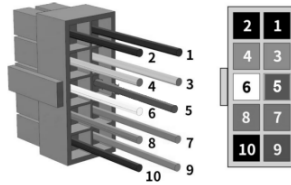
# Speco Access Control System Wiring Diagram for 1 Door Controllers for Level 1 (controlled) Installations



**NOTICE:** Output relay rating is 24 VDC @ 1A  
**Controller Power** Class 2 12 VDC @ 2A

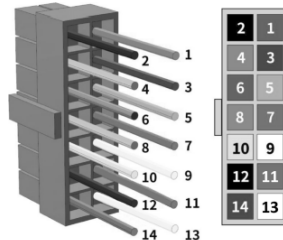
## 1 Door Controller Layout

10 Position Power Harness		
Input Power		
PIN	Color	Description
10	BLACK	Ground
9	RED	+12 VDC @ 2A
Door Output		
7	GREEN	Normally Closed Dry Relay Contact
5	BLUE	Common Relay Contact
3	GRAY	Normally Open Dry Relay Contact
Auxiliary Output		
8	GREEN	Normally Closed Dry Relay Contact
6	WHITE	Common Relay Contact
4	GRAY	Normally Open Dry Relay Contact
2	BLACK	Ground
1	BLACK	Ground



**Note:** To prevent loss of configuration information, always backup system's database before disconnecting power.

14 Pin Reader Harness		
Input Power		
PIN	Color	Description
1	RED	+12 VDC Power for In & Out Readers
3	BLUE	LED, In & Out Readers
5	ORANGE	Buzzer, In & Out Readers
7	GREEN	D0, In Reader
9	WHITE	D1, In Reader
11	GREEN	D0, Out Reader
13	WHITE	D1, Out Reader
2	BLACK	Ground, In & Out Readers
Door Inputs		
14	PURPLE	Door Position Input
12	BLACK	Ground
10	YELLOW	Request to Exit Input
System Inputs		
8	GRAY	AUX Input
6	BROWN	Tamper
4	GRAY	Power Fault
12	BLACK	Ground

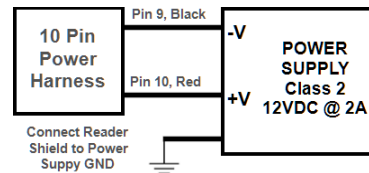


**Use UL 294 Listed Readers**  
12 VDC @ 300mA max  
Connect with twisted shielded wire, 22 AWG. For UL installations the maximum cable length is 98.5 FT (30 m).

I/O	Default State
Door Status In	Disabled
REX In	Normally Open, Momentary
AUX In	Normally Open, Momentary
Door Out	Not Energized, Single Pulse, 3 Second On
AUX Out	Not Energized, Single Pulse, 3 Second On

**RJ45 Ethernet Note:** For UL installations the maximum length of cable is 98.5 FT (30 m)

## 12 VDC Power Wiring



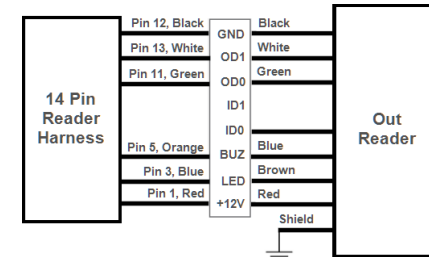
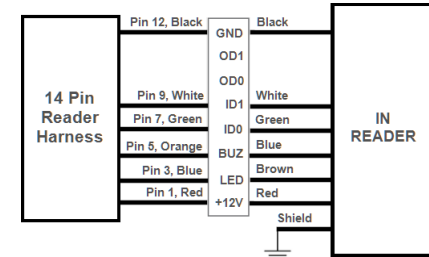
## Wiring Requirements:

The wire used must be of the proper gauge for the load current and distance from the controller to the load. **Wires must not be routed in parallel with or in the same conduit with any high voltage AC wiring** and all wiring shall conform with the National Electrical Code, NPFA70 and local building codes. Use a minimum size of UL listed 22 AWG to a maximum distance of 98.5 feet (30 meters).

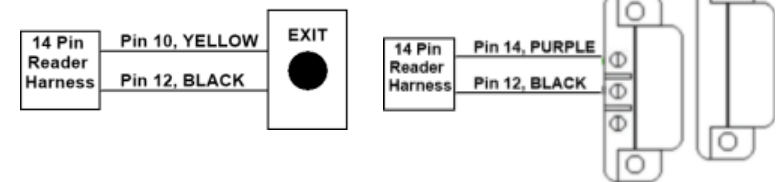
## NOTICE:

**DO NOT ALTER OR TAMPER WITH THIS DEVICE. CONTROLLER AND POWER MODULE HAVE NO USER REPLACEABLE PARTS.**  
System Contains Class 2 Circuits  
Refer to installation manual 100116 for additional information

## Wiegand Reader Wiring



## Input Wiring



## Door Lock Wiring

