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Part No. 1328358: I-O Junction Box, D-Series Robot



Description:

The 1328358 I-O Junction Box is designed to allow the user to quickly connect all Loctite® D-Series Robot to external system integrations simultaneously.

Includes:

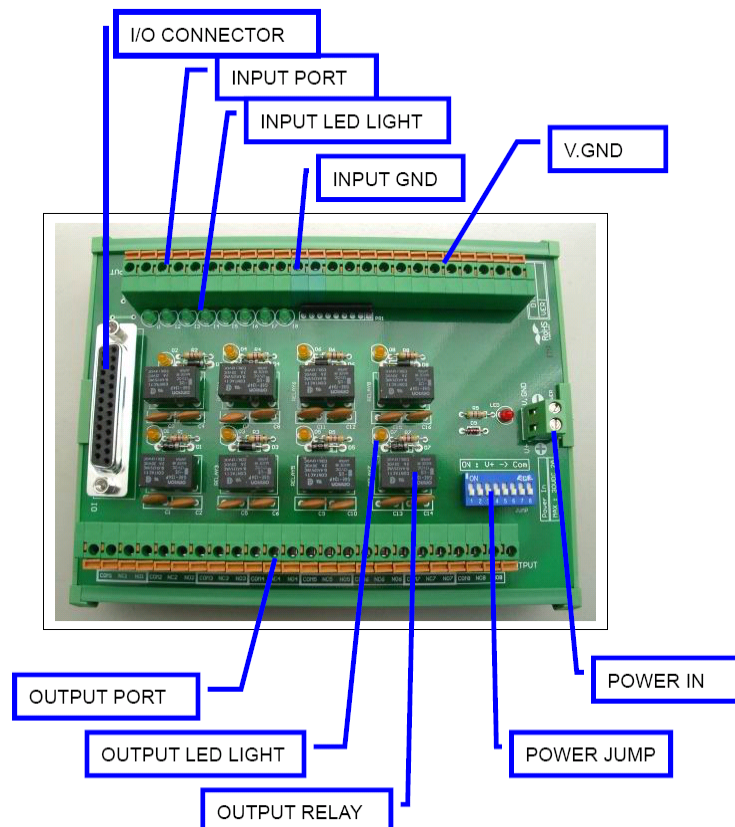
Qty	Description
1	I-O Junction Box, D-Series Robot

Instructions for Use:

1. Turn the robot off. **CAUTION: Cables cannot be connected or disconnected from the robot while the robot is on!!!** If this occurs, the robot boards will be damaged and will need to be replaced.
2. Connect the Loctite® I-O Junction Box to the robot I-O Port by using the 25 pins connector.
3. According to the below to connect Input or Output signal to the I-O Junction Box.

Important Noted:

Power In Maximum: 30VDC, 2A



Input Signal:

<i>Pin #</i>	<i>Description</i>
1	IN # 1
2	IN # 2
3	IN # 3
4	DISP READY IN +
5	IN # 5
6	IN # 6
7	LOW LEV IN +
8	IN # 8
9	COM GND
10	COM GND
11	COM GND
12	COM GND
13	COM GND

Important Notes:

1. To close an input signal, short the circuit between the input pin (1 – 8) and a GND / ground pin (any pin # 9 - pin 13).
2. Input signals are powered by the robot internal power supply: 12 volts, maximum 2.5 mA

Output Signal:

<i>Pin #</i>	<i>Description</i>
14	DISP START OUT -
15	OUT #2
16	OUT #3
17	OUT #4
18	OUT #5
19	OUT #6
20	OUT #7
21	OUT #8
22	COM +12VDC
23	COM +12VDC
24	COM +12VDC
25	COM +12VDC

Output Type: Photo-coupler

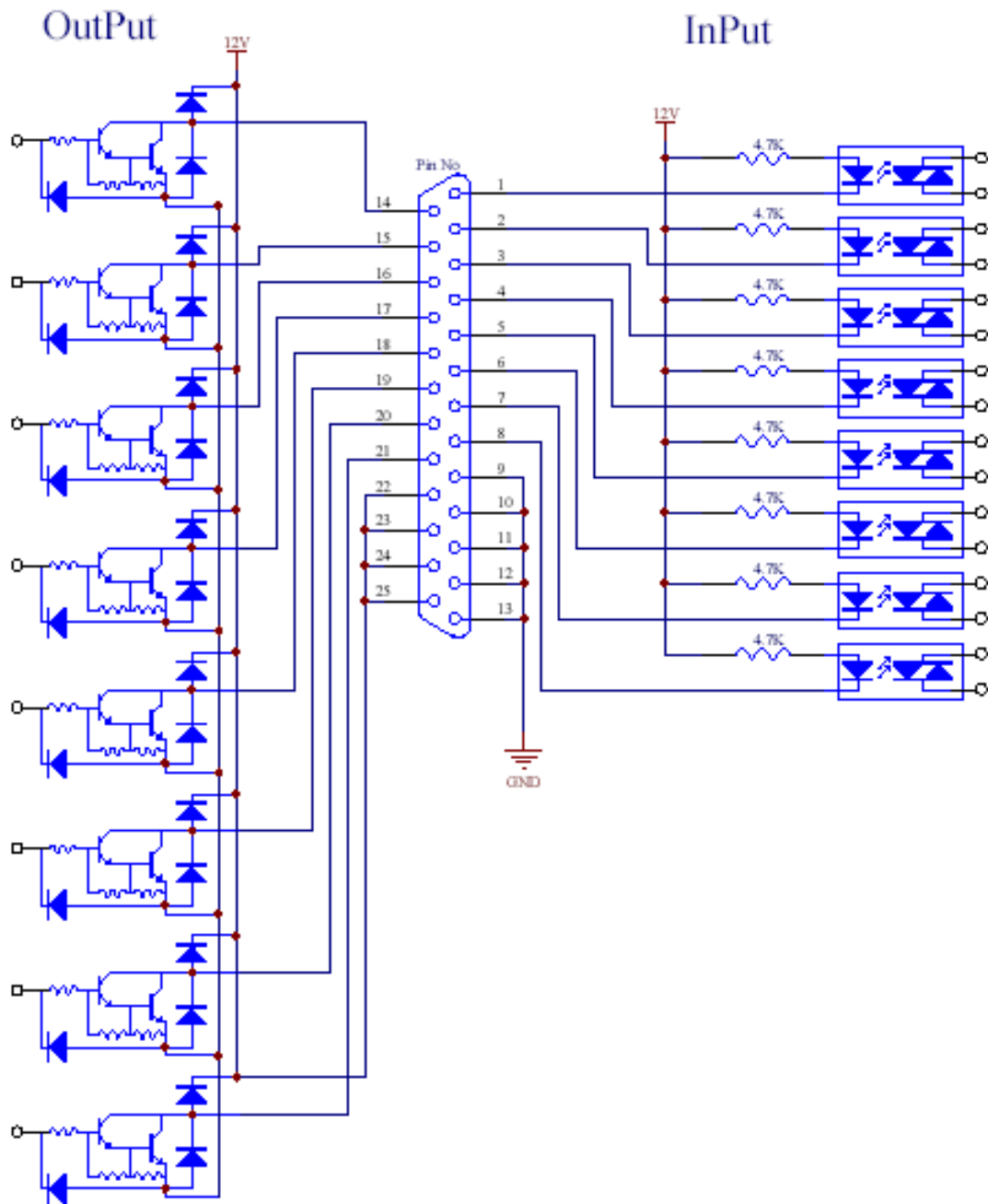
Output Power:

- 200D/300D/400D output signals are able to provide a maximum of 12 volts.
- 200D/300D/400D output signals are able to provide a maximum of 250 milliamps per pin.

Function:

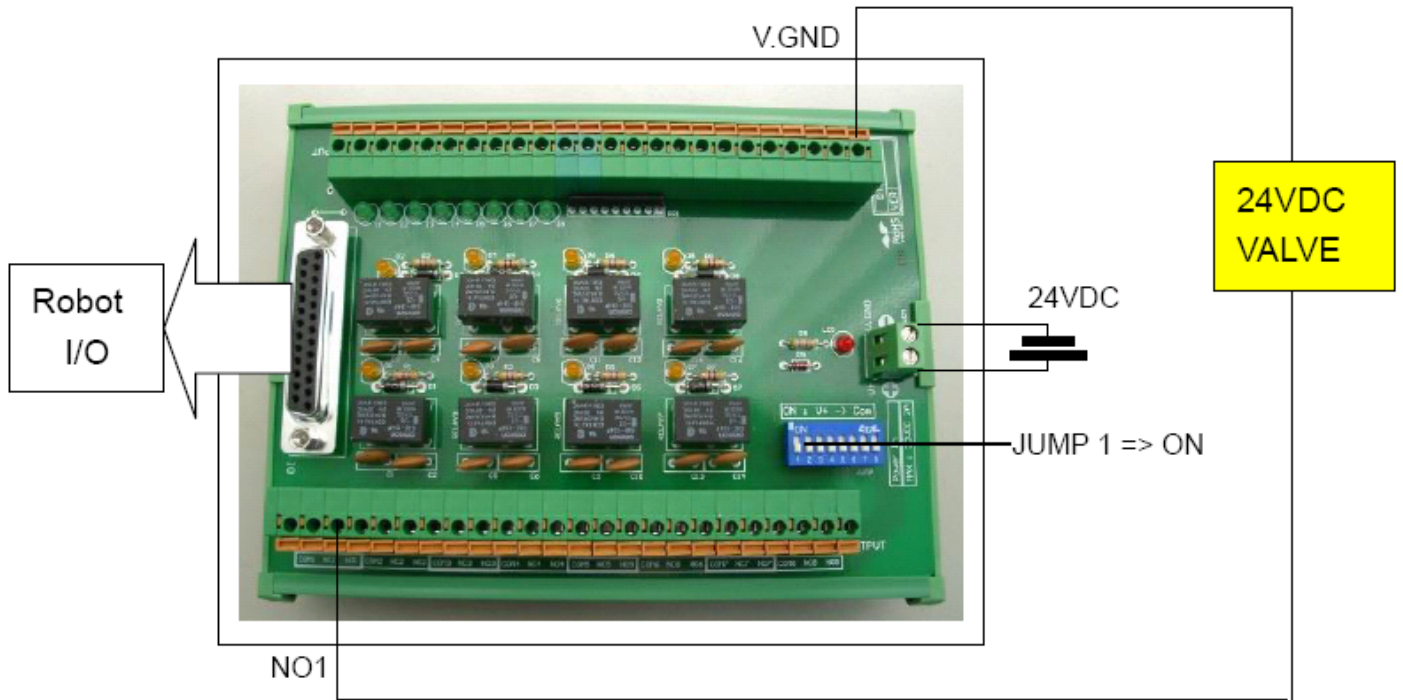
- When the output signal is closed, the circuit between the output pin (pin #14 - #21) and the +12 Volt power supply (pin # 22 - #25) is closed.
- The output pin (pin #14 - #21) is connected to the power supply GROUND.
- Pins #22 - #25 are all the same. They are all connected to the +12 volt power supply.

Input/Output Schematic:



Example:

Use Output 1 to drive a 24VDC valve:



Limitations:

This is designed for use with Loctite® D-Series Robots only. **Any other use of this I-O Junction Box is not recommended and can result in damage to the robot.**