

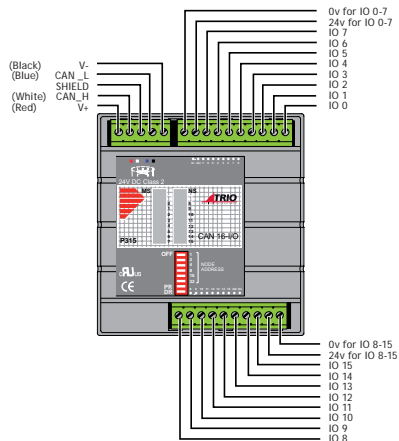
I/O MODULE
CAN 16 I/O

Quick Connection Guide

(Please refer to the *Motion Coordinator* Technical Reference Manual for Full Details)

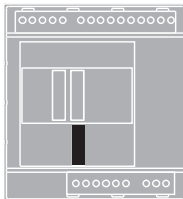
DESCRIPTION

The CAN 16-I/O Module allows the 24volt digital inputs and outputs of the Motion Coordinator to be extended in blocks of 16 bi-directional channels.



NOTE: Network cable must be screened twisted pair such as BELDEN 3084A

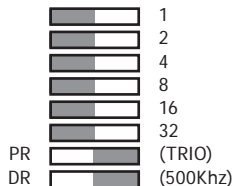
DIP SWITCH SETTINGS



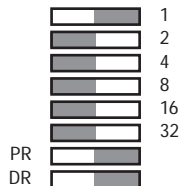
The top 6 DIP switches on the CAN 16-I/O set the module address. Only addresses 0..15 are valid CAN 16-I/O addresses. The switch marked PR is set ON to select TRIO protocol. The switch marked DR sets 125kHz or 500kHz. Only 500Khz is valid with the TRIO protocol.

The addresses for I/O modules **MUST** be set 0,1,2... in sequence. Therefore the first CAN 16-I/O Module should have the switch setting:

ADDRESS = 0 I/O Channels 16...31

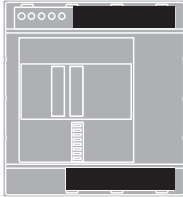


ADDRESS = 1 I/O Channels 32...47

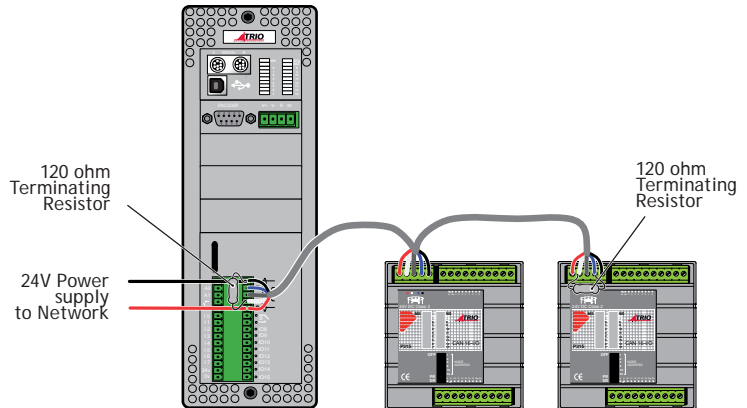
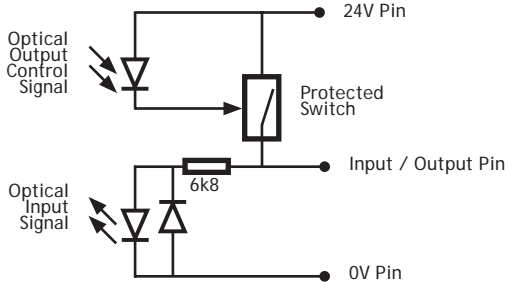


Note that the I/O Channels referred to above are the I/O channels including the 0..15 channels built in to the controller.

24V INPUT/ OUTPUT CHANNELS

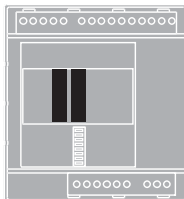


Input/output channels are all identical bi-directional channels. The inputs have a protected 24v sourcing output connected to the same pin. The maximum current capacity is 250mA/Channel (Maximum 1 Amp total/bank of 8)

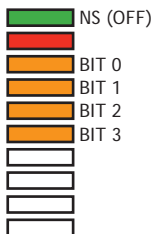


The P316 can be connected to any *Motion Coordinator* with a built-in CANbus port.

ERROR CODES



WHOLE BANK
FLASHING



ERROR CODE
DISPLAYED
ON 8...11

Error Codes (Binary):

Invalid Protocol	1
Invalid Module Address	2
Invalid Data Rate	3
Uninitialised	4
Duplicate Address	5
Start Pending	6
System Shutdown	7
Unknown Poll	8
Poll Not Implemented	9
CAN Error	10
Receive Data Timeout	11

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