

4850I9TB Converter Wiring

For use with Network Controllers only

Converter
 Terminal Block Connects
 to

D ----- Bus - D **

C ----- Bus - C **

A ----- Bus - A

B ----- Bus - B

Shield/12V rtn ----- Bus - shield

" " ----- External 12 VDC power Negative, and Earth ground

+ 12VDC ----- External 12 VDC power Positive

** IMPORTANT NOTE: At any one command module on the bus,

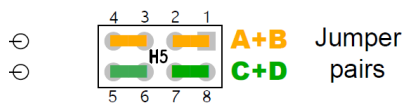
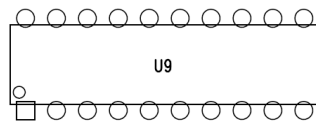
One 1k resistor must be connected between:

- +5 VDC (H3-1) and Bus-C (H2-3), new 412x modules
- +5 VDC (Tb22) and Bus-C (Tb26), old 4110 modules

A second 1k resistor must be connected between:

- system common (H3-4) and Bus-D (H2-4), new 412x modules
- system common (Tb23) and Bus-D (Tb27), old 4110 modules

If a 4120R, 4120LR, 4122R, 4122LR, or 8120R module is available, you can install the two C-D jumpers shown on the illustration below instead of the two pull up resistors described above.



8 pin Header, for optional bus bias resistor jumpers

Connect the Bus Shield to earth ground at ONLY ONE place, close to the converter.

Jumper Setting (Echo): ON

Note: The 220 Ohm end of line resistor across the C-D pair on the last module on the bus must NOT be used with this converter. If you are upgrading an existing system and the 220 ohm resistor is installed, the voltage across the C-D pair will very likely be well below the 3-5 VDC required specification, so it must be removed.

11/17/15
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