

2500-ADP1

Analog Wiring Adapter for Series 500

Classic



Description

The 2500-ADP1 is a wiring adapter which converts analog field wiring from Series 500 base format to the 40-pin connector used on CTI 2500 Series[®] analog I/O modules. This allows rapid upgrade of existing Series 500 systems to newer and more supportable 2500 Series[®]

Features

The 2500-ADP1 cable converts the following Field wiring:

- 500-5037A 8ch Analog In connector to a CTI 2558 8ch Analog In 40F connector
- 500-5047A 8ch Analog Out connector to a CTI 2562 8ch Analog Out 40F connector

Instructions

Method A - Installing the new module into an I/O adapter in the existing Series 500 base

1. Remove power from the Series 500 base.
2. Remove the 500-5037A/47A to be upgraded.
3. Install the 2500-IADP in the slot where the 500 module was removed.
4. Configure the 2558 / 2562 to match the 500 module to be replaced.
5. Install the 2558 / 2562 into the 2500-IADP.
6. Connect the Edge card connector of the 2500-ADP1 into the existing 5037A / 5047A field wiring connector (The silkscreen labeling on the Edge Card connector shows pin 1 and pin A. This should line up with pin 1 and pin A of the Field wiring connector).
7. Remove any 250 Ohm current resistors that may be installed in the 5037A / 5047A field wiring connector. They are not needed on the 2558 / 2562.
8. Connect the 40F connector to the 2558 / 2562.
9. Return power to the rack. analog input channels.

Method B - Installing the new module into a new 2500 Series[®] base

1. Remove power from the Series 500 base.
2. Remove the 500-5037A/47A to be upgraded.
3. Configure the 2558 / 2562 to match the 500 module to be replaced.
4. Install the 2558 / 2562 into the 2500 SeriesTM base.
5. Connect the Edge card connector of the 2500-ADP1 into the existing 5037A / 5047A field wiring connector (The silkscreen labeling on the Edge Card connector shows pin 1 and pin A. This should line up with pin 1 and pin A of the Field wiring connector).
6. Remove any 250 Ohm current resistors that may be installed in the 5037A / 5047A field wiring connector. They are not needed on the 2558 / 2562.
7. Connect the 40F connector to the 2558 / 2562.
8. Return power to the rack.



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ROCK SOLID PERFORMANCE. TIMELESS COMPATIBILITY.

Installation Notes

On the 500-5037-A connector, one row of terminals is numbered 1 to 12 (and the other row letters A to N but that is not of importance for this matter). Remove any 250 Ohm current resistors that may be installed in the 5037A / 5047A field wiring connector as they are not needed on the 2558 / 2562.



If you lift the heat-shrink sleeve a little with a pen or screwdriver, you will also see numbers 1 to 12 for the contacts.



Therefore, the 2500-ADP1 connector must be inserted into the 500-5037-A connector in such a way that the contact numbers 1 to 12 match.

