

ENVIROMUX-PT3-600



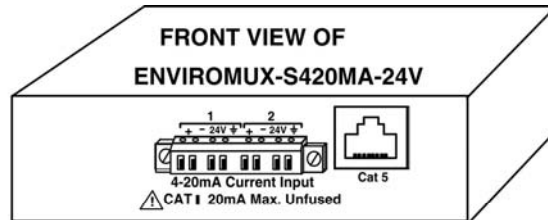
Installation Guide

The ENVIROMUX-PT3-600 is a 3 phase AC voltage transducer that will monitor and report voltage of any 3 phase circuit when connected to an ENVIROMUX-SEMS-16, ENVIROMUX-16D/5D/2D (SYSTEM) through one (for two phase monitoring) or two (for 3 phase monitoring) ENVIROMUX-S420MA-24V 4-20mA Sensor Converters.

Use the instructions provided for proper use and operation of the ENVIROMUX-PT3-600, but for installation follow the steps outlined below.

Connect to ENVIROMUX-S420MA-24V

1. Mount the ENVIROMUX-PT3-600 as desired.
2. Before connecting the ENVIROMUX-PT3-600 to the 3 phase voltage source, connect it to the ENVIROMUX-S420MA-24V. (The ENVIROMUX-S420MA should already be connected to the SYSTEM as outlined in the manual for the ENVIROMUX-S420MA-24V). The ENVIROMUX-S420MA-24V has two sets of terminals for connection of up to two channels from the ENVIROMUX-PT3-600 using 20-22AWG wiring.



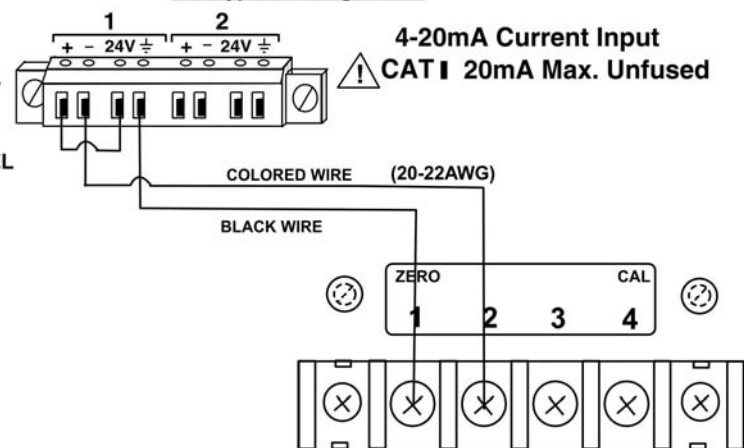
View of Connection Block on NTI ENVIROMUX-S420MA-24V

ISA Type 2 Configuration

CONNECT ONE CHANNEL OF ENVIROMUX-PT3-600 TO TERMINAL SET 1 ON THE ENVIROMUX-S420MA-24V (AS SHOWN)

CONNECT ANOTHER CHANNEL TO TERMINAL SET 2.

CONNECT THIRD CHANNEL TO A SECOND ENVIROMUX-S420MA-24V



View of Connection Block on ENVIROMUX-PT3-600 (for 1 channel)

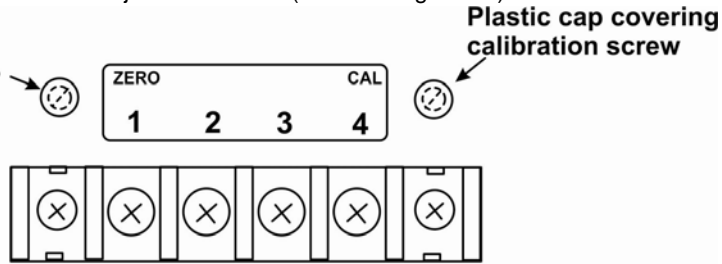
3. Locate the "Current Sensor" that should now be listed in the Sensor Summary page of the SYSTEM web interface. Two sensors will be listed, one for the ENVIROMUX-PT3-600 channel connected to ENVIROMUX-S420MA-24V terminal set 1, and another for the channel connected to terminal set 2. The reading in the "Value" column should be "4mA" for each terminal set connected to a channel from the ENVIROMUX-PT3-600. (If the terminal set on the ENVIROMUX-S420MA-24V is left empty, the value will be 0mA.)

If the value for the connected channel is not 4mA, follow the zero adjust procedure that follows.

Zero Adjust

- A. Remove the plastic cap covering the zero adjustment screw (see drawing below).

Remove plastic cap and use 1/8" screwdriver to turn zero adjustment screw.

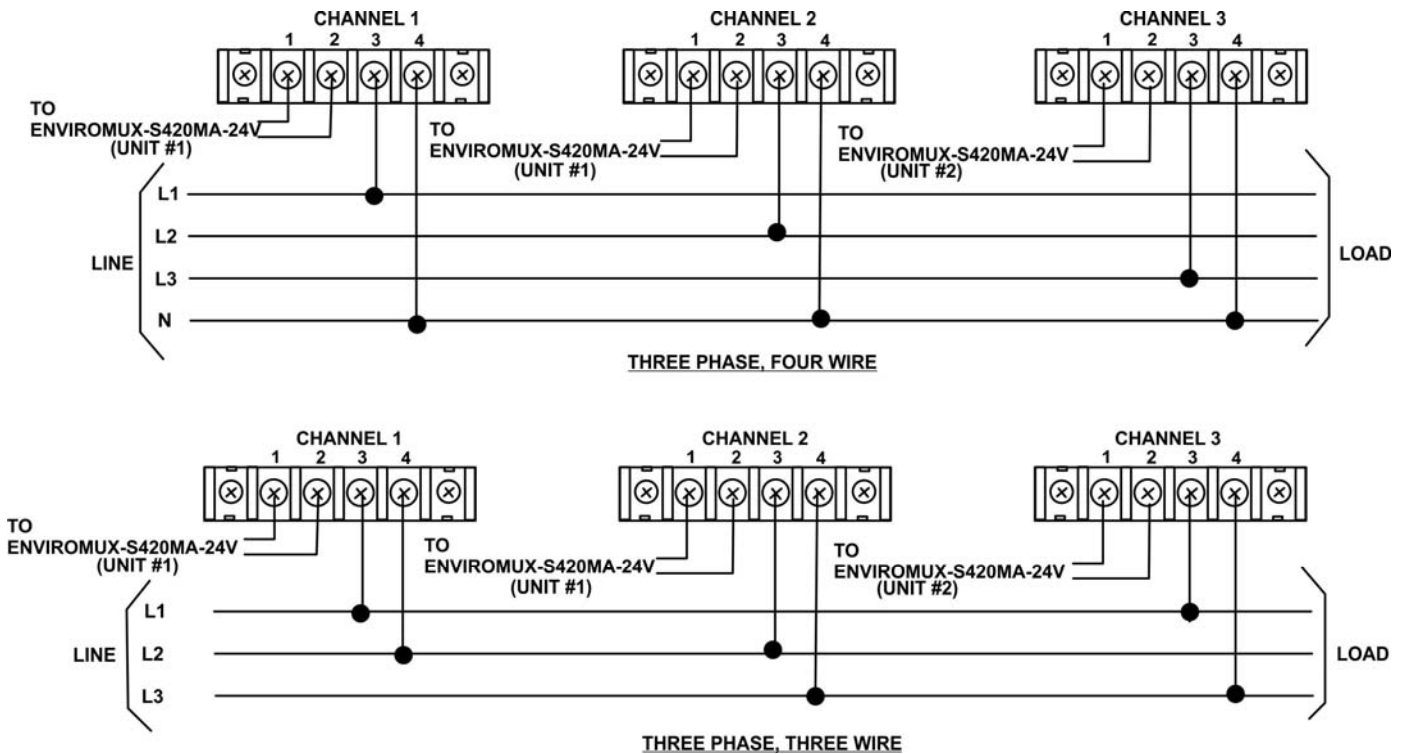


View of Connection Block on ENVIROMUX-PT3-600 (for 1 channel)

- B. Rotate the zero adjustment screw using a 1/8" wide screwdriver until the reading on the sensor summary page is "4mA".
 C. Replace the plastic cap.

Connect to 3 Phase Circuit

Make connections from the ENVIROMUX-PT3-600 to a 3 or 4 wire 3 phase circuit as indicated below.



Calibration

The ENVIROMUX-PT3-600 comes pre-calibrated from the factory. In the event re-calibration is required, follow these steps:

- Perform the Zero Adjust procedure (above) first. Make sure there is no voltage at terminals 3 and 4 on the channel blocks before performing the Zero Adjust procedure.
- Remove the plastic cap covering the calibration screw (see drawing at top of page).
- Apply 600 VAC to terminals 3 and 4 of the channel blocks.
- Rotate the calibration screw using a 1/8" wide screwdriver until the reading of the "Value" for the current sensors on the ENVIROMUX Summary Page is "20mA".

Use the ENVIROMUX-PT3-600 as indicated in the supplied operating instructions.