

Description :

The Provox Interface Adapter PIA-AI-16 allows to connect easily, an existing 16-channel Analog Input Provox Termination Panel to one 16-channel Analog Input DeltaV card. The signals coming from the Provox Termination Panel must be 4-20mA.

It is easy to install in the existing I/O card file type CP6701, at the place occupied by the Provox I/O card. The Provox cable (SUBD37F/SUBD37M) between the termination panel and the Provox I/O card is kept in place, and then plugged to the SUBD37M connector (J1) of the PIA-AI-16 unit.

The connection to the 16-channel DeltaV I/O card is done using a shielded cable, with a SUBD25F connector at one end, and labelled flying wires at the other end.

The power supply cards of the existing CP6701 card file are no longer necessary. So they can be removed and replaced with a metallic front plate.

Specifications :

Mounting:

In an existing CP6701 card file, in place of the existing Analog Input Provox card.

Size :

Height: 261.8mm, width: 20mm, Depth: 50mm

Weight:

About 200g

Wiring :

One SUBD25M connectors (J2) with UNC 4-40 female lock for the connection to the AI-16ch DeltaV card.

One SUBD37M connector (J1) with UNC 4-40 female lock for the connection to the existing I/O Provox cable.

Compatible Provox Termination Panel:

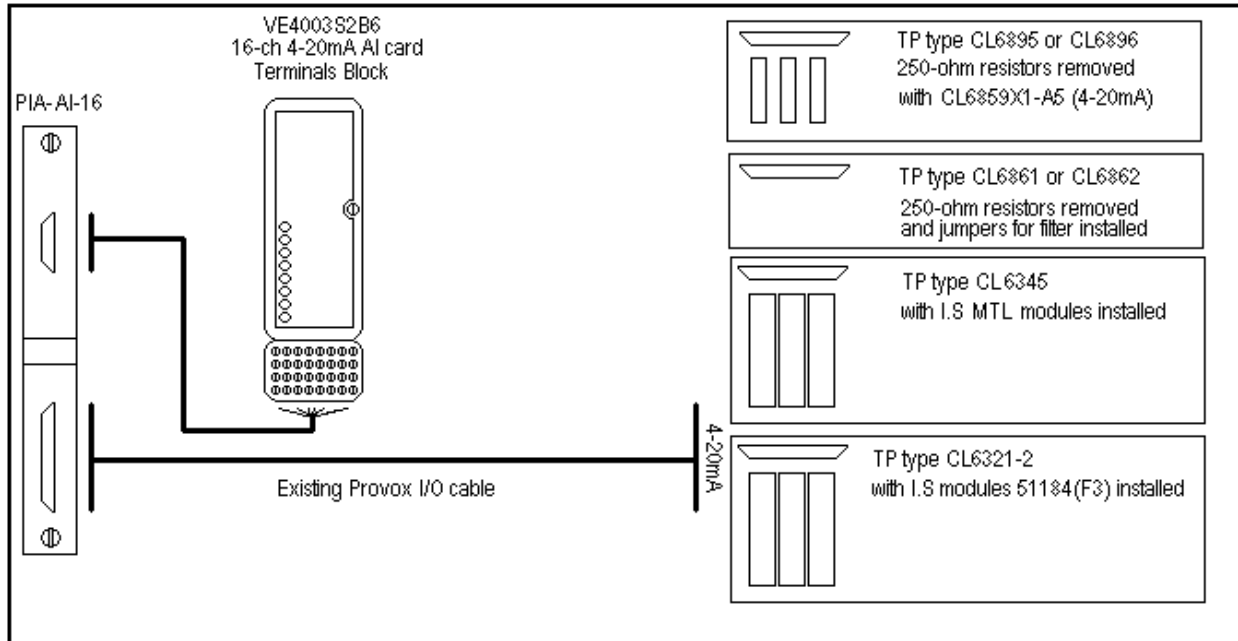
CL6861or CL6862(with 250-ohm resistors removed and jumpers for filter installed), CL6895 or CL6896(with 250-ohm resistors removed, and CL6859X1-A5 modules installed), CL6345, and CL6321-2 Termination Panel can be interfaced by the PIA-AI-16.

Ambient Temperature:

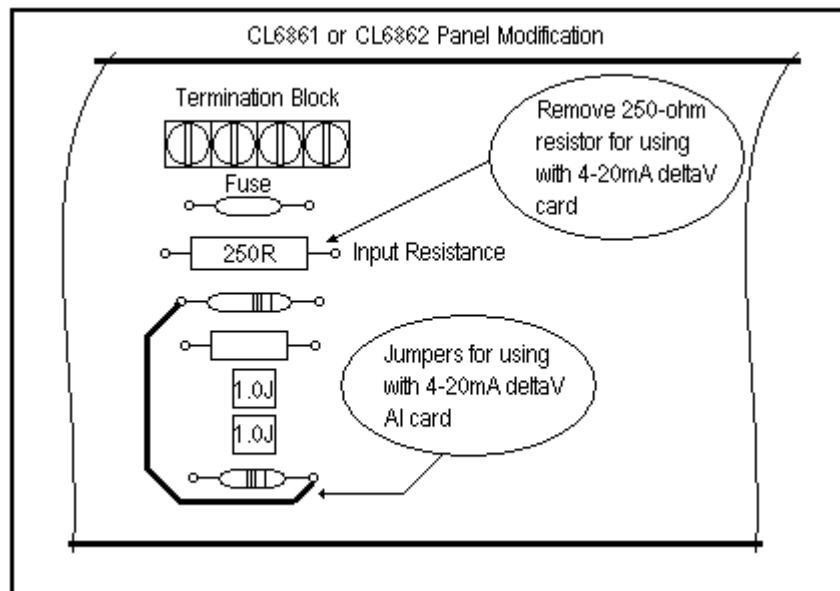
0 to 65°C.



Connection using the VE4003S2B6 DeltaV card:



CL6861 or CL6862 panel modification for using with a 4-20mA DeltaV card:



For each channel, remove the 250-ohm input resistance, install a 0.14 or 0.22 mm² wire soldered to termination panel components as shown above.