

Trunk Interface II

Product Description

The Trunk Interface II (Figure 1) conversely converts RS-232 signals to PMD or LAN trunk signals.

NOTE: If you are connecting an MBC-based Open Processor Driver, see *Installation Instructions* (565-950).

Product Numbers

538-670 Trunk Interface II, 115 Vac power pack

538-675 Trunk Interface II, 230 Vac power pack

Required Tools

- Medium flat-blade screwdriver
- Medium Phillips screwdriver
- Wire strippers

Expected Installation Time

10 minutes (P2 Network)

15 minutes (P1 Network)

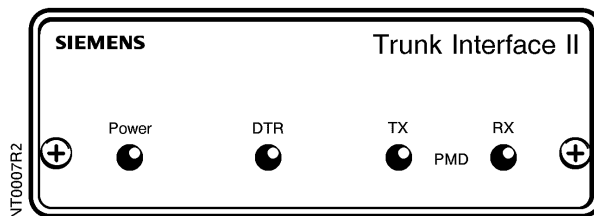


Figure 1. Trunk Interface II.

Prerequisites

The Trunk Interface II can be placed either on a desk or inside a wall enclosure. For either placement, the Trunk Interface II must be located within four feet (1.2 m) of a power receptacle to allow the power pack DC cable and earth ground reference wire to reach the Trunk Interface II.

For desk placement

- Computer in place and RS-232 cable assembled and connected to the computer's RS-232 port.
- All PMD trunk wiring installed and tested for opens and shorts.
- Source of transient protected AC power available.

For placement inside an enclosure

- Enclosure mounted.
- Transient protected outlet installed, (529-804). (All standard APOGEE field panels contain transient protected outlets.)
- All BLN trunk wiring installed and tested for opens and shorts.

NOTE: To comply with installations requiring Class 1 conduit connections, place the Trunk Interface II in the field panel enclosure.

Installation

P1 Trunk Applications

1. Unscrew the two Phillips screws on the front of the Trunk Interface II enclosure and remove the enclosure cover.
2. To change to an RCU or RPU P1 trunk application, install jumpers one and two so that they short their respective pins. The jumpers are factory installed in a non-shorting position. See Figure 2 for the location of the jumpers.
3. Replace the Trunk Interface II cover and attach with the 2 Phillips screws removed in Step 2.

P1 and P2 Trunk Applications

NOTE: For PC applications, do not disable pin 7 from being earth grounded on the RS-232 device that is connected to the Trunk Interface II. The Trunk Interface II obtains an earth ground reference for the shield through the computer's RS-232 port.

1. Attach the PMD trunk wires to the three-position trunk connector as indicated on the rear panel of the Trunk Interface II. The shield should be taped back or connected as required to obtain a single-ended earth grounded shield.
2. Connect the stripped end of the earth ground wire to the shield position of the PMD Trunk Connector and connect the other end (ring terminal) to earth ground (for example, mounting plate screw of outlet, field panel chassis mounting screw, or other suitable earth ground location).
3. Connect the RS-232 cable between the Trunk Interface II and the computer's RS-232 port.
4. Plug the DC power cord into the transformer connector on the Trunk Interface II, then plug the power pack into the appropriate power source (Figure 3).

Installation is now complete.

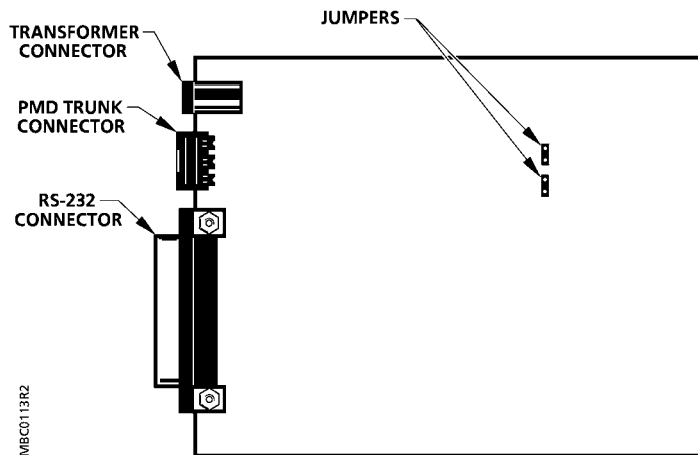


Figure 2. Trunk Interface II Jumper Locations.

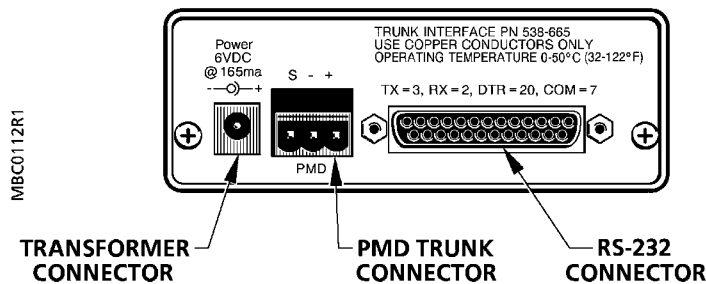


Figure 3. Rear Panel of Trunk Interface II.

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