

# MODEL NSD8 PRESSURA™ NURSES STATION MONITOR

## INSTALLATION INSTRUCTIONS

### WARNING

The Model NSD8 Nurses Station Monitors must be wired to 24 VAC only. Wiring the unit to 110 VAC will cause serious damage to the unit and void the warranty.

Go to [www.tsi.com](http://www.tsi.com) to download the Operation and Service Manual for the Model RPM10, RPM20, and RPC30.

These installation instructions guide the installer through the installation of the TSI® Model NSD8 PresSura™ Nurses Station Monitor accessory for the PresSura™ Models RPM10, RPM20, and RPC30. Please read these instructions thoroughly before beginning installation.

## Component List

Part Number	Qty	Description
800985	1	NSD8 Nurses Station Monitor

## Power Requirements

Digital Interface Module (DIM) Each	24VAC, 50/60 Hz, 3VA
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## Pressure Monitor Installation

### Pressure Monitor Rough-in

- Select the mounting location of the pressure monitor. The construction plans normally show the mounting location. If no location is specified, then the unit is typically installed near the nurses' station desk.
- Install a standard triple gang electrical box (6" × 4"). The electrical box must be installed level and flush with the wall surface.
- Screw PresSura DIM to electrical box (Figure 1).

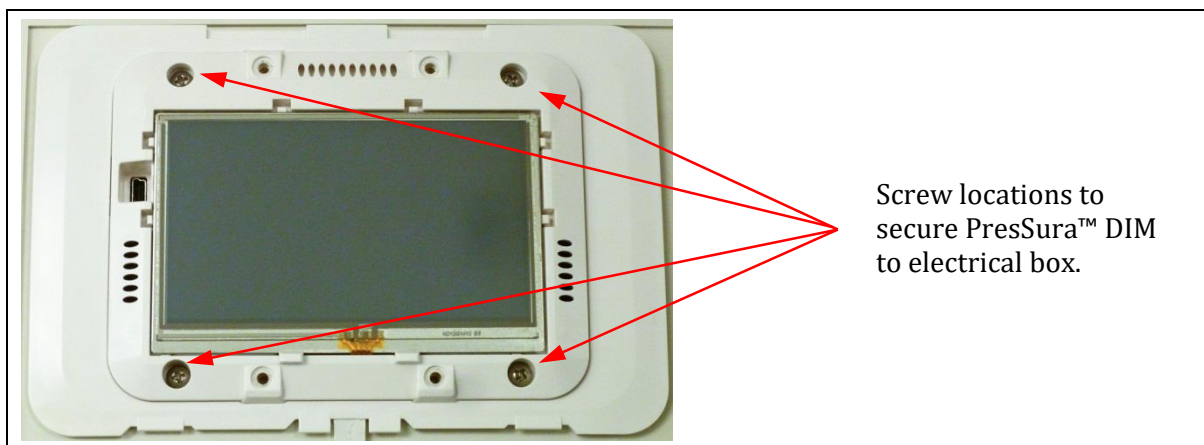


Figure 1: Pressure Monitor Mounting

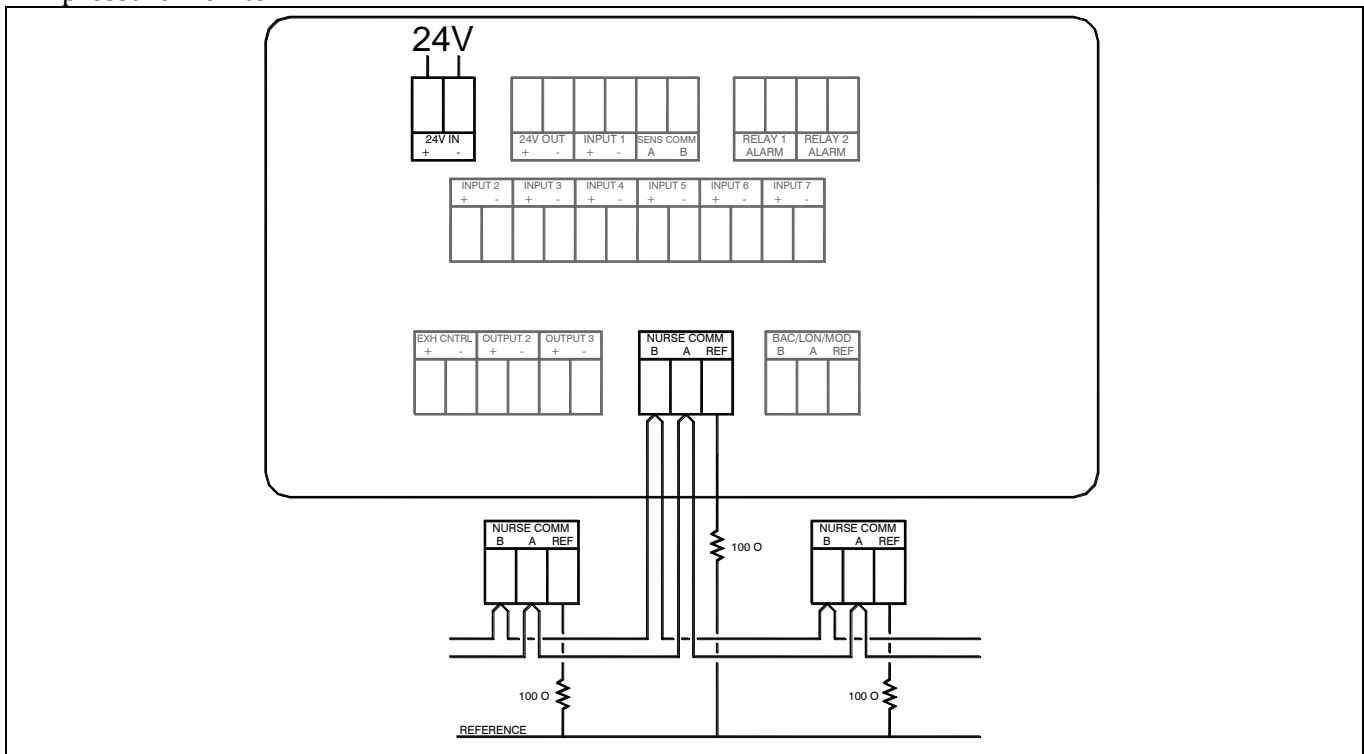
# Pressure Monitor Wiring

**WARNING**

**DO NOT** connect more than 24 VAC to any terminal.  
**DO NOT** apply voltage to the RS-485 output, Severe damage may occur to the unit if voltage is applied.

## Wiring Recommendations

- TSI® recommends stranded wire.
- Comply with local and national electrical codes.
- Follow good wiring practices:
  - **DO NOT** run control wiring in the same conduit or wireway as power wiring.
  - Control cables should cross power cables at a 90-degree angle.
  - Use a consistent color code to maintain polarity.
  - Use daisy-chain configuration for connecting the nurses' station to monitors and controllers.
- Remove the connectors from the back of the pressure monitor.
- Refer to the wiring diagram, Figure 2 for proper wiring installation.
- If additional options need to be wired, refer to building prints for proper wiring diagram.
- Plug the connectors back into the pressure monitor.
- Carefully push the wires into the electrical box and mount the Nurses Station Display. Install four screws to hold pressure monitor firmly to base (Figure 1).
- Press cover plate onto PresSura Nurses Station Display.



**WARNING**

Monitor must be wired exactly as wire diagram shows. Making modifications to the wiring may severely damage the unit.

**NOTE**

A 120Ω resistor should be installed on both ends of the RS-485 loop.

**Figure 2: Wiring Diagram – NSD8 Nurses Station**

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