
Installation Instructions

DXR RACK



an **INFINIT**E** company**

Thank you for your recent purchase of our surge protection solution. Your satisfaction with our product and service is important to us. If you have any questions, comments or concerns, please contact us at 800.882.9110 or visit our website at www.transtector.com. We look forward to continuing to serve your protection needs.

1. **IMPORTANT SAFETY INSTRUCTIONS**
2. Read and understand all instructions before installing this product. Save these instructions for future reference.
3. The supervisor will interrupt communications in the event of self sacrifice.

Warning

Installation Instructions

DXR RACK

1. This product is intended for use only on data circuits with operating voltages not to exceed 5V and operating currents not to exceed 1A.
2. Mounting the DXR Rack: Mount the device as close as possible to the equipment to be protected using the hardware provided in the packaging supplies.
3. Wiring the DXR Rack
 - 3.1 Connect the ground lug on the front of the device to a properly grounded location on the equipment rack using the shortest wire length possible. The lug will accept 14-4 AWG wire. Suppressor must be grounded for proper operation!
 - 3.2 Connect the incoming data lines to the connectors labeled 'I' on the appropriate protection modules (T1/E1, DS3 or 10/100Base-T Ethernet), using the silkscreen on the module faceplates as a guide.
 - 3.3 For the equipment to be protected, connect the corresponding lines to the protection module connector labeled 'O'.
 - 3.4 A cable tray and tie-down bar is provided on the protection rack for cable management. The cable tray folds up 90 degrees to protect the connector.
4. Installing Additional Protection Modules into the DXR Rack (See table 1)
 - 4.1 Remove the blank cover from an unpopulated bay in the protection rack by removing the mounting screw(s) with a #2 Phillips screwdriver. Note: Installing an additional DS3 protection module requires the removal of two (2) adjacent blank covers.
 - 4.2 Slide the protection module into the open bay such that the mounting hole(s) on the module faceplates aligns with the threaded hole(s) on the protection rack. Ensure that the mounting tab(s) on the protection module seats into the slot(s) on the rack.
 - 4.3 Re-Install the original mounting screw(s) or use the mounting screw(s) provided in the packaging supplies for the protection module using a #2 Phillips screwdriver.
 - 4.4 Wire the protection module per the instruction given in Section 3.
5. Monitoring T1/E1 and DS3 Signal Traffic: The DXR Rack is equipped with monitor jacks to monitor T1/E1 and DS3 signal traffic per the Telcordia GR-320-CORE standard. To utilize this feature, simply connect a GR-320-CORE compliant monitoring device to the connector labeled 'M' on the T1/E1 or DS3 protection module for the data line that is to be monitored.

| Data Protocol | Protection Module Part Number |
|-----------------------|-------------------------------|
| T1/E1 | 1000-1192 |
| DS3 | 1000-1193 |
| 10/100Base-T Ethernet | 1000-1194 |

Table 1: DXR Rack Protection Module Part Number

