

DATALINX DL1200-T1 / DL1200-T1A INSTALLATION INSTRUCTIONS

Thank you for choosing ITW Linx DataLinx® 1200-T1 or DL1200-T1A protector. The DataLinx 1200-T1 Series will provide the finest surge protection available for T1 or ISDN applications.

DL1200-T1 / DL1200-T1A FEATURES

- **Protects 12 4-wire (2-pair) ports –**
(DL1200-T1): Solid-state, Primary & Isolated Loop protection, UL 497 & 497B.
(DL1200-T1A): Solid-state, Secondary protection, UL 497A with 160 mA self-resetting over-current protection.
- **Protects one T1 or ISDN line per port –** T1: 2 pairs (Pins 1 & 2 and 4 & 5) ISDN: BRI/PRI compatible.
- **RJ45 input/output.**
- **Single height chassis (1U).**
- **Replaceable 4-port modules –** In the event of a catastrophic surge you will not need to replace the entire unit, just the modules that have been effected.

INSTALLING DATALINX 1200-T1 SERIES UNITS

These models protect 4-wires (2 pairs) per port using RJ45 connectors.

Using four standard rack mounting screws (included) mount DataLinx 1200-T1 to a standard 19" rack cabinet.

Turn off the power to the equipment that will be plugged into the surge protector.

Plug the RJ45 jack from the line input cable into the "Line" (back) side of the protector.

IMPORTANT:

- Use 24 AWG or physically larger diameter wire for input.
- Attach a #6 AWG wire to the Screw Ground Lug (SGL-1) on back of the unit to a properly grounded Ground Bus Bar. See "NOTE".

Using a patchcord, plug one end into the front side (out-put side) of the DataLinx protector & the other side of the patchcord into the equipment to be protected.

Turn each piece of connected equipment on and check for correct operation.

In the extremely unlikely event that everything does not work properly, stop and read the troubleshooting section.

TROUBLESHOOTING

1. INTERMITTENT OR NO CONNECTION SIGNAL.

Check integrity of the patchcord. Visually inspect for any loose or non-connected wires. Verify that wires are connected in compliance with either TIA 568-A or 568-B standards.

NOTE: If system-operating voltage exceeds the listed initial clamping voltage (70V) for your unit or if a surge is present on the network, the port will be connected to GND by design. Remove surge source or check the system voltage.

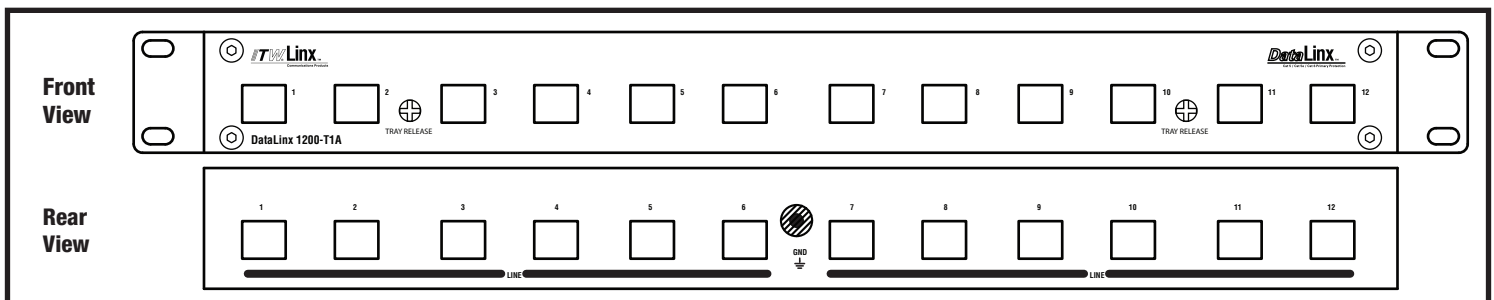
If you continue to have trouble with your DataLinx 1200-T1 /1200-T1A or this section has not fixed the problem, please call ITW Linx Customer Service at: 1-800-336-LINX (5469).

CAUTION:

1. Never install telephone wiring during a lightning storm.
2. Disconnect telephone lines before installing protector.
3. Protector and equipment ground should be connected to a single common ground.
4. Make sure no electrical surges are on the lines when installing or removing circuit cards.
5. The protector shall be installed in accordance with the applicable requirements of the National Electric Code, ANSI/NFPA-70, Article 800, Section C.

NOTE:

1. Many old buildings are inadequately wired. It is very common for a building to be improperly grounded. Building wiring and grounding must conform to applicable NEC (USA) or CEC (Canada). Ground impedance is recommended to be 1 ohm or less. Protectors will not function properly when connected improperly or to a faulty ground.
2. The DataLinx 1200-T1A and the connected equipment must be indoors and in the same building.



DATALINX REPLACEMENT CARD INSTALLATION INSTRUCTIONS - DL1200-RC-T1, DL1200-RC-T1A

1. Remove all plugs from the jacks in the protector.
2. Remove (2) front screws marked "Tray Release".
3. Slide tray out from back of the protector.
4. Remove (2) screws on module.
5. Remove module and insert new module.
6. Attach (2) screws on module.
7. Slide tray into chassis and fasten with (2) screws.
8. Insert plugs into proper jack locations.

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For Technical Support, Please Contact Us at 1.800.336.5469
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ITW Linx
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Surge Protection Solutions