

# INSTALLATION INSTRUCTIONS - UP3 SERIES

## Plug-on 66 Block Telephone Protectors

### Secondary Indoor Protection

- 1 Mount 66M 1-50 block on wall.
- 2 Connect or punchdown wires to the 66M 1-50 block.
- 3 Plug on the ITW Linx protectors to the 66 block with green grounding screw pointing electrically towards the protected equipment.
- 4 Ground the voltage protectors with a ITW Linx Multiple Ground Bar (MGB-SGL) and/or proper size ground wire. Use a 10AWG wire or larger. Break the MGB to the required length by utilizing the score lines on the bar. Mount the MGB under the grounding screws and position with slots away from the block base. Tighten all green ground screws. (See figure 1 & 2).
- 5 Attach ground wire to the center protector & connect the other end of the ground wire to a "Good Earth Ground". The ITW Linx Screw Ground Lug may facilitate the connection at the protector. Do not coil the ground wire. Bond all grounds.

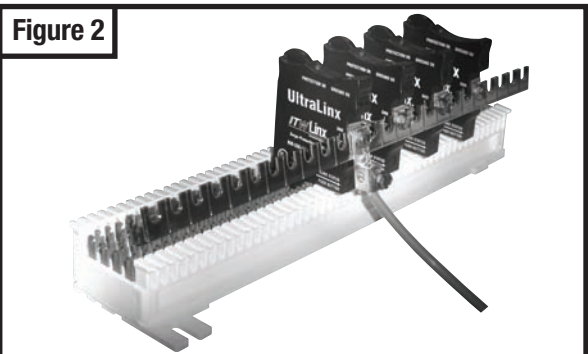
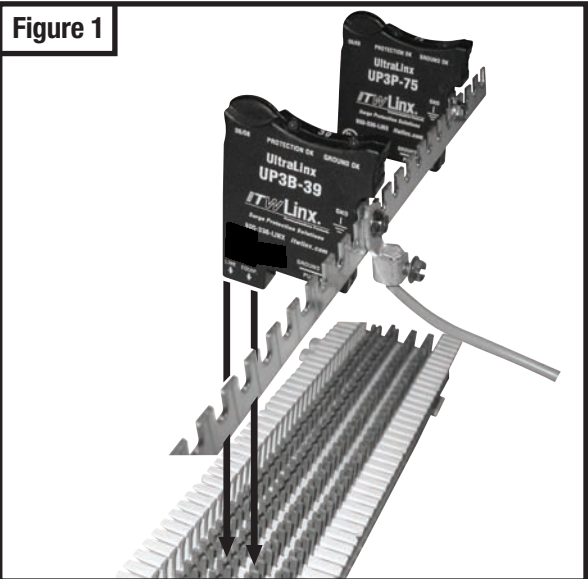
### Primary Indoor Protection

- 1 Mount a UL-NEMA Type 1 enclosure and a 66M 1-50 block on the wall.
- 2 Connect or punchdown wires to the enclosure.
- 3 Plug on the ITW Linx protectors to the 66 block with green grounding screw pointing electrically towards the protected equipment.
- 4 Ground the voltage protectors with a ITW Linx Multiple Ground Bar (MGB-SGL) and/or proper size ground wire. Use an 8 AWG wire or larger for multiple devices. Break the MGB to the required length by utilizing the score lines on the bar. Mount the MGB under the grounding screws and position with slots away from the block base. Tighten all green ground screws. (See figure 1 & 2).
- 5 Attach ground wire to the center protector & connect the other end of the ground wire to a "Good Earth Ground". The ITW Linx Screw Ground Lug may facilitate the connection at the protector. Do not coil the ground wire. Bond all grounds.

### Note:

- 1 The protector shall be installed in accordance with the applicable requirements of the National Electric Code, ANSI/NFPA-70, Article 800, Section C.
- 2 Where applicable, the fuse rating is marked on the protector housing.
- 3 Disconnect telephone line at the network interface before installing a secondary protector.
- 4 Never install telephone wiring during a lightning storm.
- 5 Use 26 AWG or heavier gage for input and output wire.

Voltage Breakdown Rating		
Min. V. Protector Rating	Strike DC V. Tolerance	
7.5	5-10	V
16	12-20	V
27	20-34	V
39	29-49	V
75	56-94	V
100	90-125	V
235	176-294	V



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