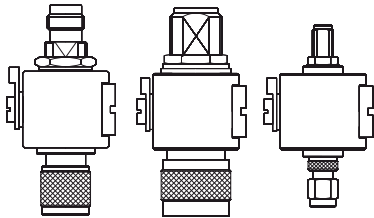


### ATTENTION!

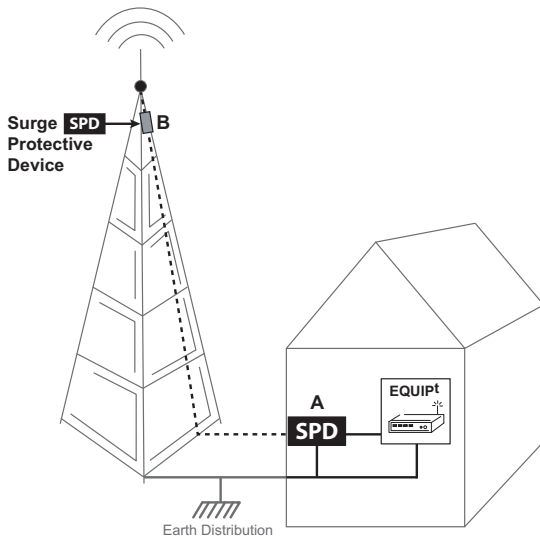
- Installation must be performed only by a properly trained operator or an electrician.
- National electrical installation rules must be followed.
- The unit must be used only as a surge protector and according to the conditions described in this document.
- The device must be selected according to the connection and the power (see Technical Data).
- If the signal is interrupted, then the unit is defective and must be replaced.

### Technical Data



Specification	Model		
	1977-09-A0x	1977-25-A0x	1977-50-A0x
Sparkover Voltage ( $\mu$ s)	90 V	250 V	500 V
HF Power	25 W	190 W	780 W
Type of Coaxial Connector			
N	X	X	X
F	X	X	X
Maximum Frequency	4 GHz		
Protection Level	IP 65		
Operating Altitude	2000 m max. (6500 ft. max.)		
Operating Temperature	-40 to +85 °C max. (-40 to +1 °F max.)		
Indoor Use Only	X	X	X

### Application Example



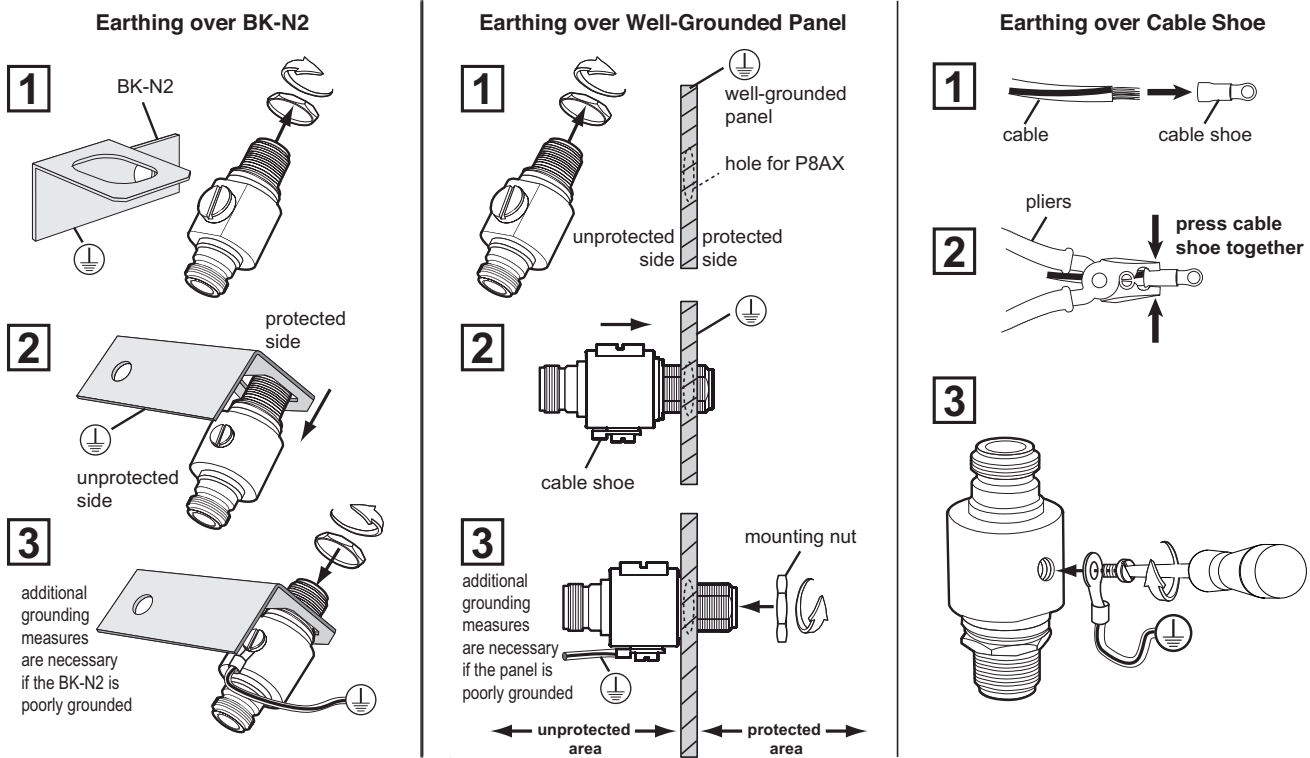
### Location

The coaxial surge protector must be installed in series on the coaxial cable:

- A. At the entrance of the building or cabinet.
- B. At the tower top, close to antenna interface, if necessary.

For critical applications, an additional protector near the equipment to be protected is recommended.

**Installation**



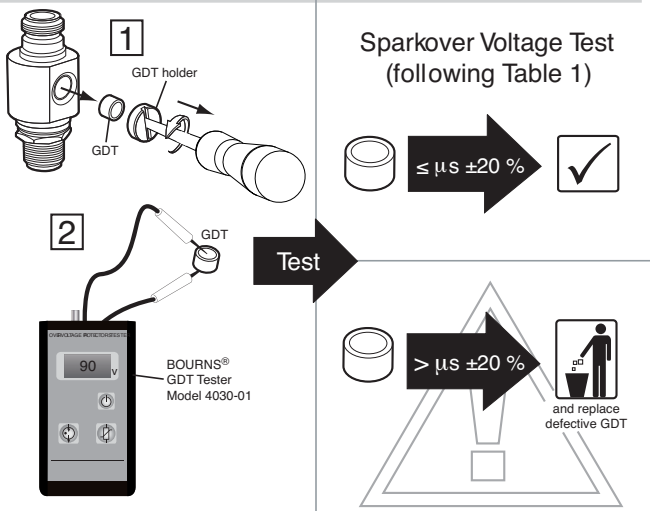
**IMPORTANT NOTES:**

The following points must be strictly observed to ensure efficiency:

- A. Equipment bonding network: All grounding conductors in the installation must be interconnected and connected to the installation network.
- B. Optimized connection of the protector to the grounding network:

- To reduce the residual voltages during lightning discharge currents, the connection of the protector to the ground network must be as short as possible (less than 50 cm) and must have a proper cross section (at least 4 mm<sup>2</sup>).
- The "Feed-through mounting" type suits all of these requirements. **WARNING:** To ensure good contact, remove carefully all paint or insulating coating.

**Maintenance**



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