#### 2.2.8 Installing Surge Protector

#### Overview

A massive electrical surge can be caused if lightning strikes a telephone cable 10 m above ground, or if a telephone line comes into contact with a power line. A surge protector is a device that is connected to an outside (CO) line to prevent potentially dangerous electrical surges from entering the building via the outside (CO) lines and damaging the PBX and connected equipment.

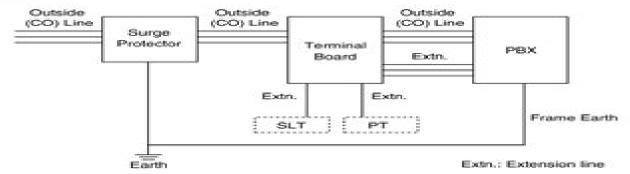
To protect the PBX from electrical surges, we strongly recommend connecting the PBX to a surge protector that meets the following specifications:

- Surge arrestor type: 3-electrode arrestor
- DC spark-over voltage: 230 V
- Maximum peak current: at least 10 kA

Additionally, proper earthing is very important for the protection of the PBX. (→ 2.2.5 Connecting Frame Earth)

Many countries/areas have regulations requiring surge protection. Be sure to comply with all applicable laws, regulations, and guidelines.

#### Installation



## **Panasonic Surge Protector User Manual**

Thirumalaisamy P. Velavancorresponding

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