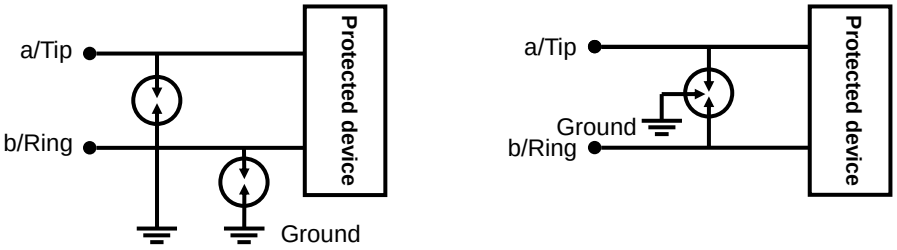
# Application

## ■ Signal & High Frequency protection

### a. Telephone，Fax，Modem，VOIP…etc user's terminal equipments

Once the transient over-voltage occurs, the GDT will spark over to protect the vulnerable components in the communication terminal equipments by guiding the surge to the ground.

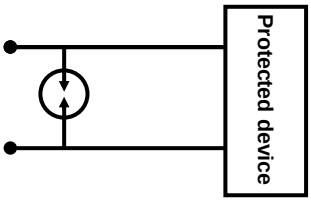



(2-electrode GDT) (3-electrode GDT)

(Fig.1)

### b. Signal Line Protection

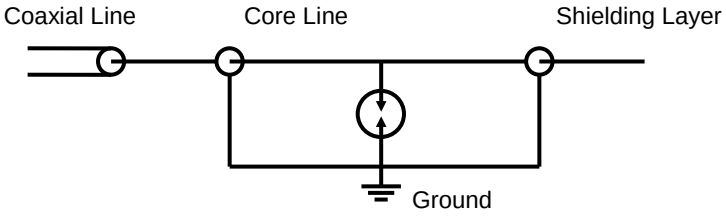
GDT is connected in parallel between two signal lines to suppress the surge potential differences in the input.




(Fig.2)

### c. CATV/Coaxial Line/Video System Protection

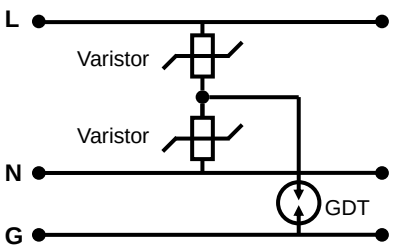
Because of their very low self-capacitance, the GDTs are well-suited in the high frequencies fields, such as CATV networks, video system, coaxial line, cathode ray tube, etc.




(Fig.3)

## ■ AC Line Protection

GDT combined with varistors can offer an ideal solving project to protect all kinds of installations from being damaged by transient over-voltage coupled into AC power networks.




(Fig.4)