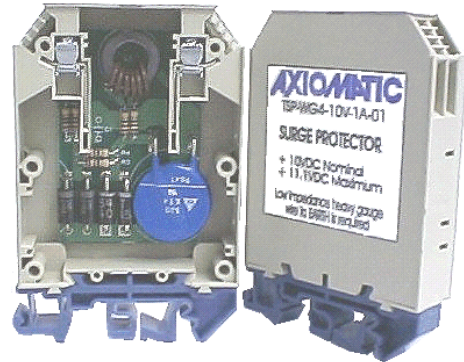


One wire

VOLTAGE SIGNAL SURGE PROTECTOR

Type: TSP-WG4-xxV-1A-0y
Where: xx = Compliance Voltage
 y = 1 - Polarized Voltage
 y = 3 - Non-Polarized Voltage



Features:

- Handles large current surges and voltage spikes without wear and tear to the circuitry of the protector
- Protection against closer (stronger) lightning strikes
- Hybrid design features reflection of surge energy as well as TRANZORB and MOV suppression
- 100% redundancy
- Compact WEG 4 pin DIN rail mount

Application: Transient surge protectors provide common and differential mode protection for tollbooths, drawbridges, street light controllers and railroad crossing gates/signals. Electronic equipment is extremely susceptible to transient voltages and surge currents due to its relatively fragile semiconductor construction. A surge protector is a cost-effective method of ensuring that equipment will have maximum life.

Function: The module has a PROTECTED side which is connected to the data acquisition system input and a LINE side which is connected to the transmission wire. The EARTH connection of the modules must be terminated to earth by low impedance, heavy gauge wire.

Description: The TSP-WG4-xxV-1A-0y is a three stage transient protection module, which provides over-voltage, and surge current protection for 1 wire voltage signal circuits. Internally, the module has 100% redundancy to safeguard the system and prevent nuisance failures. This series of modules is for systems using signal and return wires.

