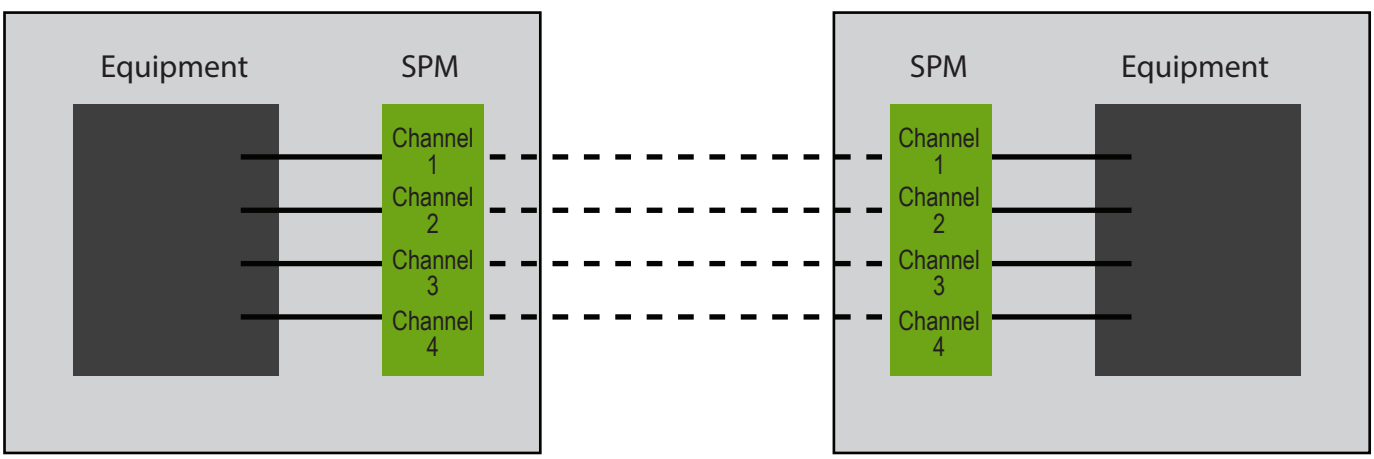
System Protection Module

The System Protection Module protects the system from external transients by providing a specific path for currents to flow to ground in cases where transient potentials exceed the normal levels in power, signal, and communication lines. The SPM provides safe path to ground, bypassing sensitive electronic circuitry in the RTU or other electronic devices.

- Four Channel protection in one module
- Short Circuit protection that automatically resets when the short is removed
- Four stages of protection: Inductance, High Energy Clamp, Fast Second Stage lower energy Clamp, and Capacitance
- Pluggable terminal blocks with terminal screws for easy field termination
- Multiple Versions available devices for protecting Communications, Transducers, High Speed Devices, Power and Phoneline
- Din Rail Mounted
- Only a flat head screwdriver is needed for swapping out



It is recommended that both ends of the field wiring be protected by an SPM as shown in the above example.

The System Protection Module (SPM) is designed for easy mounting and replacing when needed. On the 8V and 35V SPMs, each channel has a max operating current of 550 mA. This can reduce the need to double up channels for higher current applications such as using radios.

Along with higher operating currents on each channel, the SPM has passed and exceeded the IEC - 61000-4-5 Level 4 standard, meaning that the SPM protected and survived voltages over 4,000 volts.

SPM's (System Protection Module)

- 9010555 SPM 4 Channels, 8V
- 9010556 SPM 4 Channels, 35V
- 9010557 SPM 4 Channels, 200V