



General Information

In certain locations power surges on external wire connections may damage the FT420, like any other electronic equipment. These damaging surges are typically caused by switching high power equipment, as in factories, or by lightning. This bulletin describes a method for protecting against moderate power surges. Note that this level of surge protection is inadequate for direct lightning strikes or other large power surges.

Connection Instructions

- Connect the flow meter to the FT420 with shielded twisted pair wire
- Attach shields at the FT420 end and ground to the power supply earth ground
- Attach power supply with shielded twisted pair wire
- Place CR2, zener diode (Digi-Key 1N5350BRLOSCT) across the FT420 sensor input; banded end must connect to S as shown
- Place CR1 Bidirectional zener diode (Digi-Key P6KE30CA) across the FT420 power input

