

# 370/370RJ LIGHTNING SUPPRESSOR

## Installation Sheet

The DMP Model 370 and 370RJ Lightning Suppressors provide superior protection for alarm panels against transient voltage spikes and surges caused by lightning and other high-voltage sources. DMP lightning suppressors redirect damaging voltages that can enter through telephone and AC wiring to an earth ground.

### INSTALLATION

DMP Lightning Suppressors provide the best protection when mounted close to the earth ground connection. Mount the panel enclosure away from 370 and 370RJ lightning suppressors to provide additional protection by allowing the voltage to dissipate before reaching the panel components.

**⚡ Caution:** Never mount a 370 or 370RJ inside the panel enclosure. Installing a lightning suppressor in the panel enclosure limits its protection and can result in equipment damage.

#### Model 370

The 370 Module contains two five-position terminal strips for wire connections between the panel and the incoming phone line, AC transformer, and ground.

The left side terminals are for incoming wiring and are labeled **IN**. The right side terminals are for the outgoing wiring to the panel and are labeled **OUT**. For more information, refer to Figure 1.

The 370 is recommended for installations where the distance between the lightning suppressor and the panel exceeds the 7-foot length of the DMP 356-7 Phone Cord. The 370 is also ideal to use when the panel uses terminals instead of modular connectors on the phone line.

#### Model 370RJ

The 370RJ contains two three-position terminal strips and two eight-conductor modular phone jacks for wire connections between the panel and incoming phone line, AC transformer, and ground.

The 370RJ is ideal to use for installations where the module can be mounted close to the ground and within the 7-foot length of the DMP 356-7 Phone Cord.

### PROPER GROUNDING

DMP recommends using a minimum 14-gauge wire for the ground connection and an appropriate ground clamp.

Use a cold water pipe or drive a ground rod deep enough to achieve adequate ground reference. Dry or porous soil does not always provide a good ground.

Never share the ground with other equipment or connect the lightning suppressor to a phone or electrical ground.

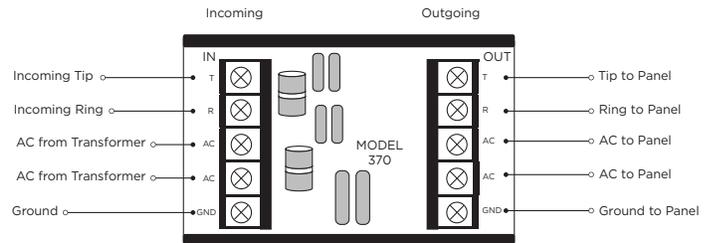


Figure 1: 370 Lightning Suppressor

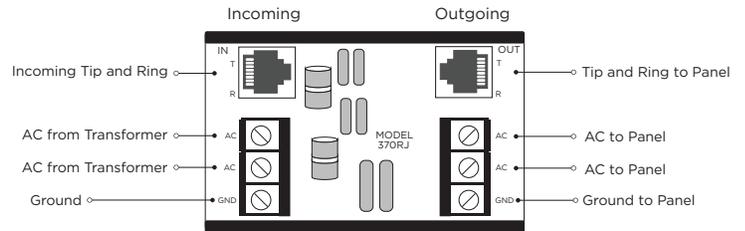


Figure 2: 370RJ Lightning Suppressor

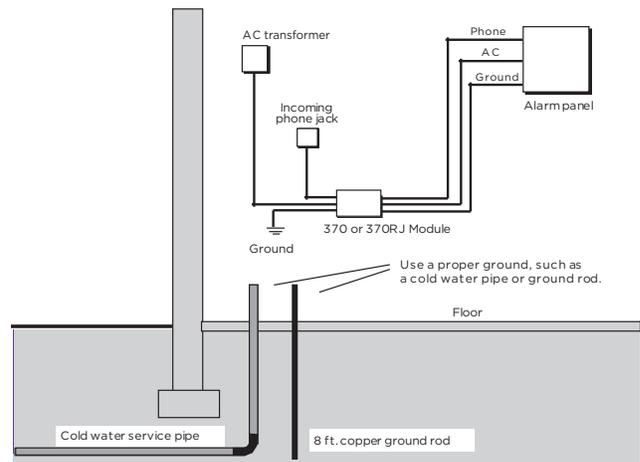


Figure 3: Grounding the 370/370RJ