

RF Surge Arrestor Installation Guide



PCM-SP-DC3.N2N2

Coaxial Surge Protector N Female to N Female, DC to 3 GHz

PCM-SP-DC3.N2N1

Coaxial Surge Protector N Female to N Male, DC to 3 GHz

Purpose

This RF surge arrestor protects connected equipment such as modems, routers, repeaters and radios from lightning-induced surges travelling along the coaxial cable.

Before You Start

- Turn OFF and disconnect all connected equipment.
- Ensure a compliant earth/ground point is available.
- Use a minimum 6 mm² earth cable or as required by local regulations.
- Installation must comply with AS/NZS 3000 and AS/CA S009 where applicable.

Installation Steps

- 1 Install the surge arrestor as close as practical to the building cable entry point.
- 2 Connect the outdoor antenna coaxial cable to one N Female port.
- 3 Connect the equipment-side coaxial cable to the opposite N Female port.
- 4 Tighten connectors securely using correct tools. Do not overtighten.
- 5 Connect the ring terminal to a dedicated earth using the shortest possible earth cable.
- 6 Ensure the earth cable is straight with no loops or sharp bends.
- 7 Verify all connections before restoring power.

Wiring Diagram

Powertec RF Surge Arrestors are a bi-directional gas discharge tube suppressor that function in both directions to protect against positive and negative surges.

