

## Installation Procedure – CAP-4000™

### 1.0 General Product Information

CAP-4000™ is designed to provide an economical solution as primary protection from voltage surges and to prevent dangerous high currents on the coaxial drop cable outer sheath, while still operating as a conventional ground block and RF splitter.

Under normal situations CAP-4000™ operates as a primary surge arrester, RF splitter and ground block. If a power crossing or bad ground situation occurs, CAP-4000™ identifies and alarms the unseen problem by discontinuing RF service.

### 2.0 Required Materials

- CAP-4000™
- 7/16" wrench
- Phillips screwdriver
- Drill with Phillips attachment

### 3.0 Installation

CAP-4000™ installation is similar to standard CATV ground blocks and RF splitters. The input port, labeled “Network” is connected to the drop cable entering the home.

The output ports, labeled “Video Port & Data Port,” operate as 3dB splitter. Simply connect the home wiring to the output ports. The CAP-4000™ is available in 3 and 4 port splitter packages if more outputs are needed.



Next, use a Phillips screwdriver and loosen the grounding screw. Insert the solid ground wire and retighten the ground screw.

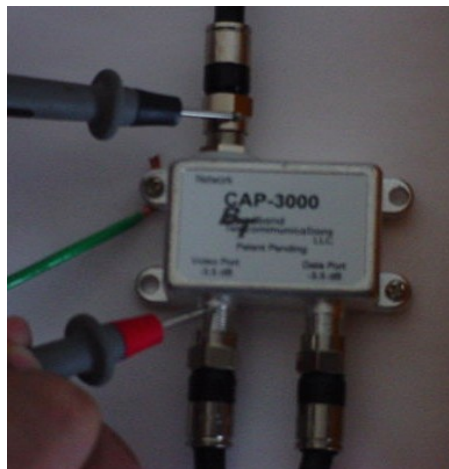
Two installation screws are provided with each CAP-4000™. These screws allow CAP-4000™ to be mounted inside a CATV house box. Using a drill with Phillips bit, install-mounting screws in the two available mounting brackets.

To assist your installation, Broadband Telecommunications can provide the CAP-4000™ preinstalled in an industry standard house box.

#### 4.0 Troubleshooting

CAP-4000™ operates as any other RF splitter and ground block. If a dangerous current occurs on the outer conductor, the ‘network’ ground will short to the ‘network’ input and the CAP-4000™ will isolate and identify the hidden problem by removing RF service to the home.

To troubleshoot a possible ‘hot-drop’ which CAP-4000™ has isolated, use voltmeter to measure the voltage potential between the input and output ports. First, measure AC voltage potential between the ‘Output’ ports and ‘Network’ input. If a voltage potential exists, CAP-4000™ has opened the outer conductor path to identify a hidden grounding problem.



If it has been determined current is present on the outer conductor, **CAUTION** should be taken: Company-operating procedures relating to bad ground conditions should take precedent.

If no standard procedure exists, BBT recommends inspecting ground conditions at the home to ensure the earth ground rod is installed and bonded properly and providing an effective earth ground. At this time it may require contacting Power Company or electrician to repair the ground before service can be restored.