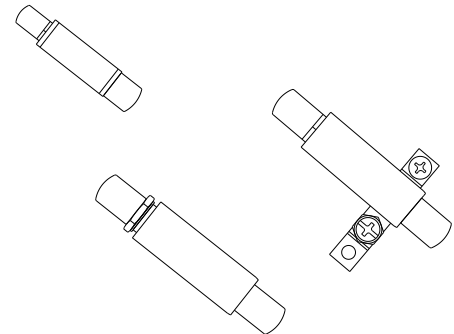


Warranty: If this unit fails during the warranty period, contact tii customer service to authorize return. Unit may be returned prepaid.



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Model 210/212
Home Networking Protection



Installation Note

Description

1. The series 210/212 In-Line Coax Lightning Surge Protectors protect personnel and customer premises equipment from lightning and power induced surges on coaxial drop cable.

Designed for HFC of FTTC Broadband Network Applications.

The series 210/212 is furnished complete and requires no special tools for installation or maintenance.

The unit may be ordered with an indoor/outdoor enclosure for installation.

Features

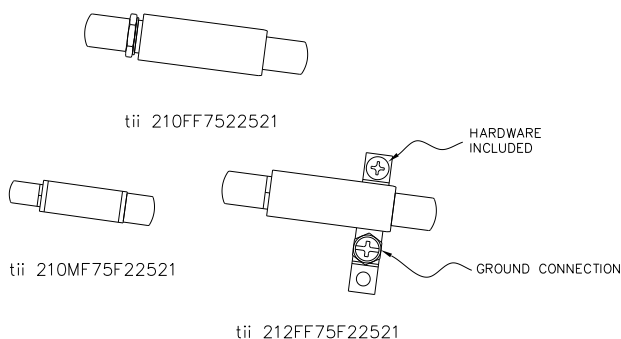


Figure 1

Installation

1. This combined installation note provides the description and installation steps for the tii Series 210/212 In-Line Coax Lightning Surge Protectors.

The unit is furnished complete with necessary hardware to complete the installation.

National Electric Code Requirements: the protector shall be installed per National Electric Code ANSI/NFPA 70, Article 800, Section C, and shall meet all other applicable local safety codes.

Caution: Risk of shock if not installed in a listed indoor/outdoor enclosure.

Notice: The product is to be installed in a listed enclosure, which has been tested for applicable environment.

Cable Requirement: Using the right size cable will ensure proper operation of the product. The center conductor of coax cable used with this product should not be larger than .040 inches (eg, RG59). Suitable adapters must be used that have center pin conforming to .040 inches requirement (eg, RG6, RG11).

2. Series 210MF

Install a female to female F-Type connector for each coax cable to be protected on a suitable grounding panel (Figure 2-1) as needed or a female to female ground block in a listed indoor/outdoor enclosure.

Attach coax protector male side to "F-Type" panel mounted connector (Figure 2-2) ground block.

Attach drop antenna cable (Figure 2-3) to "Service" side of the panel mounted connector/ground block.

Dress and secure cables so that incoming service/antenna and customer/equipment cables do not cross each other. Bundling of the cables should be avoided.

Series 212F

Mount protector to an appropriate ground block using supplied hardware (Figure 3-1).

Attach drop cable to "SERVICE" side of the protector as shown in Figure 3-1.

Attach customer cable to "CUSTOMER" side of the protector as shown in Figure 3-1.

Strip and insert a #12 (minimum) ground wire into the hole provided on the surge protector (Figure 3-1). Turn screw until wire is compressed and tight connection is made.

Series 210FF

Mount protector to an appropriate ground block using supplied hardware (Figure 2-2).

Attach drop cable to "SERVICE" side of the protector as shown in Figure 3-2.

Attach customer cable to "CUSTOMER" side of the protector as shown in Figure 3-2.

Strip and insert a #12 (minimum) ground wire into the hole provided in the ground block. Turn screw until wire is compressed and tight connection is made.

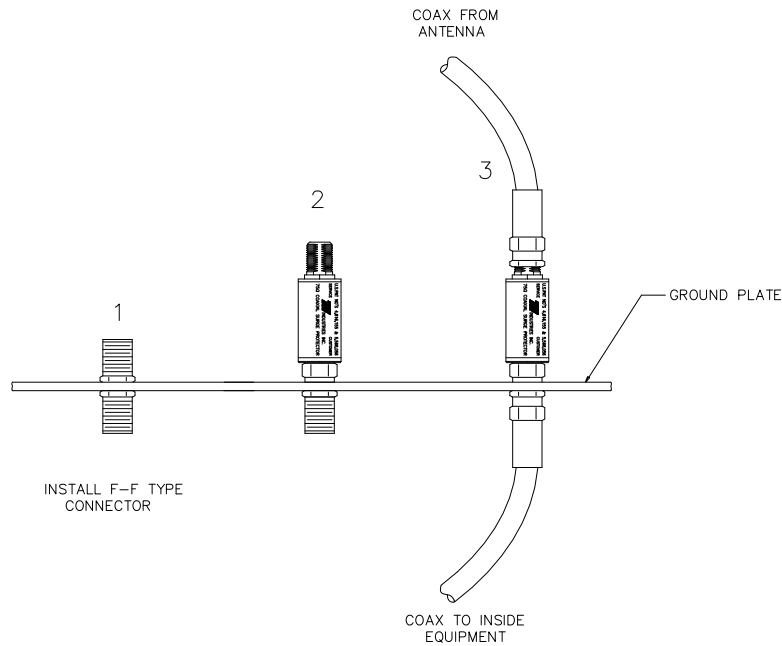


Figure 2

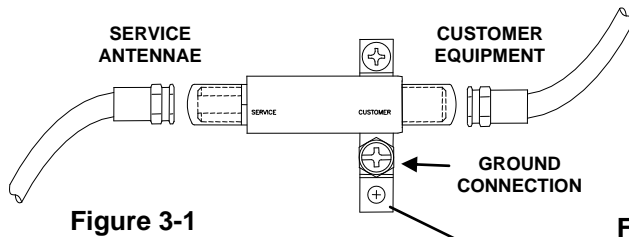
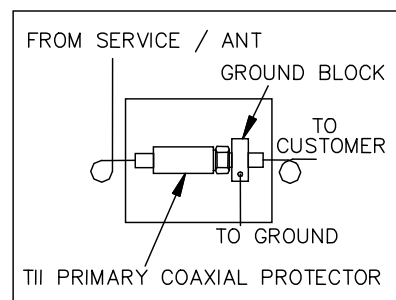


Figure 3-1

Figure 3-2



COAX CABLE FROM SERVICE PROVIDER OR ANTENNA

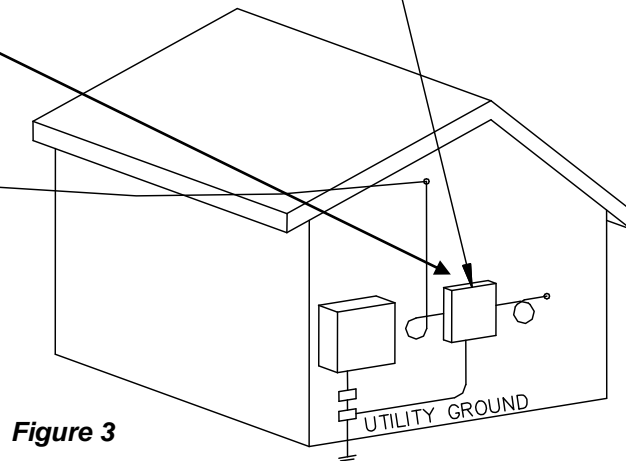


Figure 3