



PART OF THE POWERCOM GROUP

# Coax LAN/CCTV Protectors

## Installation Instructions



**IMPORTANT:** Please read these instructions carefully. Whilst straightforward, the installation of these devices is critical to their performance. Installation should only be carried out by a suitably qualified person in accordance with all relevant standards.

### 1. Introduction

- 1.1 These installation instructions apply to Novaris Coaxial CCTV protectors with the following catalogue numbers:

Cat No: **CLB - MF - 10**

Connector  |  Clamp Voltage, Uc  
Connector Gender  
(EQPT/Line)

- 1.2 The CL series of coaxial CCVT protectors are ideal for CCTV and security applications where remote feeds are being fed via coaxial cable to a central location for monitoring.



Figure 1: CLB-MF-36

### 2. Before Installation

- 2.1 Ensure that the clamping voltage of the protector is greater than the maximum operating voltage of the system. If the protector is driven into clamping during normal operation, system performance will be adversely affected.
- 2.2 Disconnect power from the system into which the protector is to be installed
- 2.3 Ensure all mating contacts are clean and serviceable.
- 2.4 Identify a suitable connection point for the earth lead of the protector. This earthing point should be electrically bonded to the equipment to be protected, such as the equipment housing.

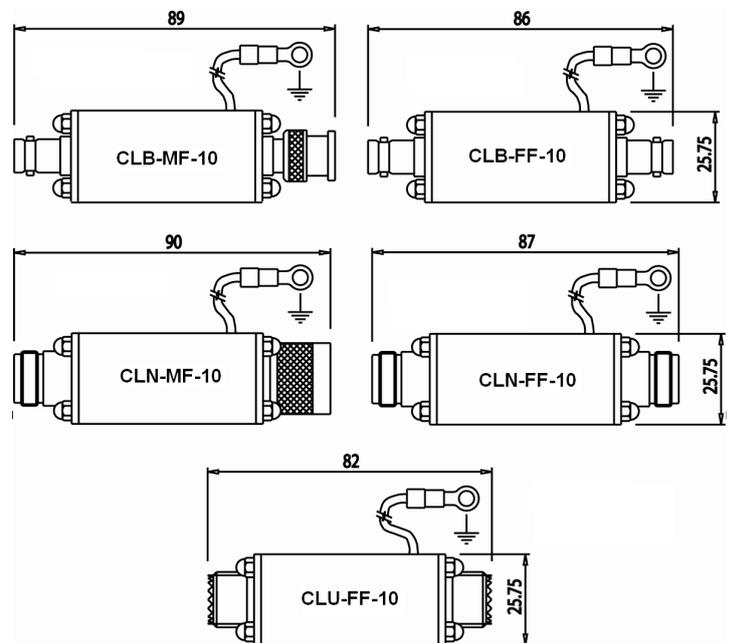


Figure 2: Dimensions of CLx-xx-xx Protector Family

### 3. Installation

- 3.1 A Novaris Coaxial CCTV protector should be installed at the termination point immediately preceding the equipment to be protected.
- 3.2 The flying earth lead should be bonded directly to the chassis of the equipment to be protected. If this is not possible, ensure that the earth connection of the protector and the earth of the equipment are connected using the shortest possible length of 6mm<sup>2</sup> or greater wire.

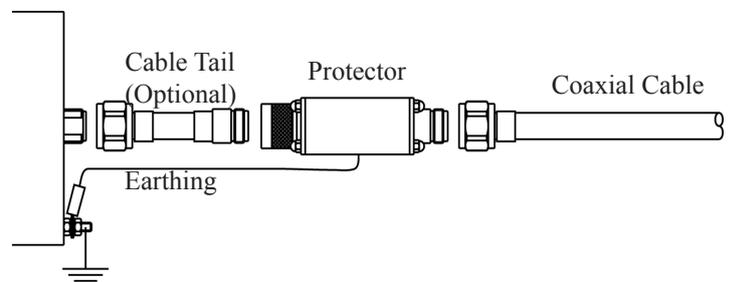


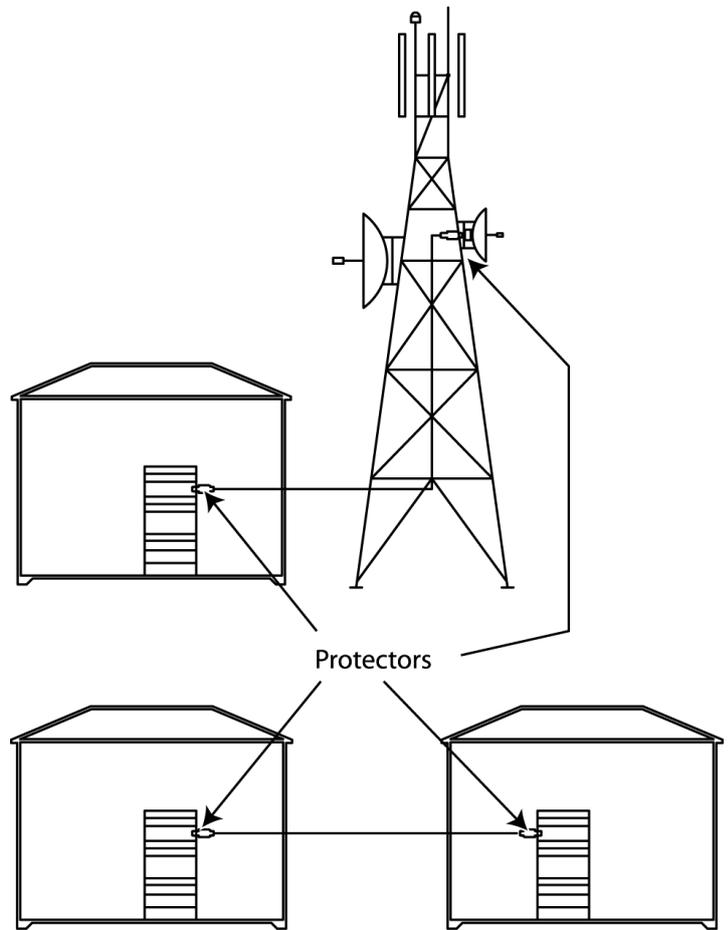
Figure 3: Connection of Novaris Coaxial CCTV Protec-

## 4. After Installation

- 4.1 Verify isolation between the centre and outer conductors of the cable installation using an ohm meter.
- 4.2 Verify correct system operation with a functional test.
- 4.3 Novaris Coaxial CCTV protectors are extremely robust. Provided installation is performed correctly they are virtually maintenance free. Periodic inspection of the connections and any weatherproofing is recommended

A protector fault may be indicated by bit errors/signal degradation, low resistance between the inner and outer conductors or loss of continuity through the protector.

- 4.4 For further technical advice contact the distributor or Novaris direct.



**Figure 4: Typical Installations**



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