



PART OF THE POWERCOM GROUP

RJ Modular & UTP Protectors

Installation Instructions



Thank you for choosing Novaris surge protection.

Novaris has been designing and manufacturing lightning and electrical disturbance protection for over 15 years. We specialise in the protection of power and data signalling. Our products are in use Australia wide, and internationally, and we are now world leaders in lightning and surge technology.

At our Australian headquarters we operate a full time research and development group, employing professional engineers, technical officers and drafting support staff. Our testing laboratory is capable of generating and measuring simulated lightning impulses in accordance with world power and telecommunications standards. We also have offices and distributors throughout Australia and world wide.

Novaris designs and manufactures all the products bought by you at our manufacturing locations under the ISO 9001:2000 quality assurance system. Giving you the reassurance that your surge protection will protect your equipment.

We guarantee the quality of our products.

We stand by our products for their quality, and ingenuity. If there are any improvements you feel can make on our products, please call us, email us, or visit us. Our engineering sales team are always keen to hear from our customers.

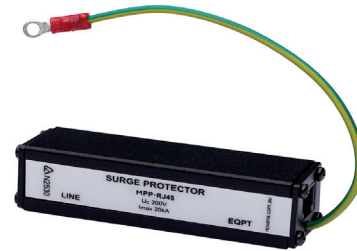
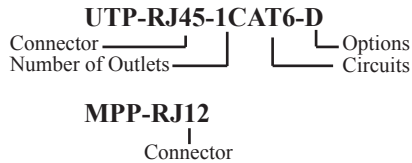
If you require further information about our company or have a suggestion to change this product to suit your need better,

Please call us on: (+613) 6229 7233
Or email us on: info@novaris.com.au
Include in the subject line: "product improvement"

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 the following Novaris LAN and modular plug protectors:



- 1.2 Novaris RJ45 terminal protectors are compliant with 1000BaseT (gigabit Ethernet), CAT6 and power over Ethernet applications.

- 1.3 Novaris Modular Plug protection provides protection for twisted pair telecommunication services suitable for telephones, FAX, dial-up, ISDN and DSL modems.



Figure 1: MPP-RJ12 and UTP-RJ45-24CAT6

2. Before Installation

- 2.1 Novaris LAN and modular plug protectors are designed to be installed in-line with the twisted pair cable just before it terminates at the equipment to be protected. For effective protection at both ends of a cable run, two protectors should be used.
- 2.2 For PoE applications a PoE model is available, however for most PoE protocols, a UTP protector will suffice. Please contact Novaris for technical support or applications requiring higher maximum continuous operating voltages.

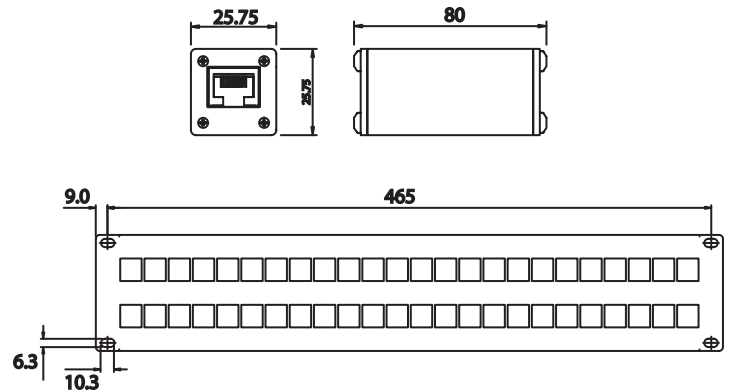


Figure 2 - UTP-RJ45-xCAT6 and MPP-RJx

3. Installation

- 3.1 Connect the incoming cable termination into the line socket of the protector. Using a straight through patch lead, connect the equipment socket of the protector to the equipment to be protected. Ensure all connections are properly seated.
- 3.2 Each protector must be earthed to the same point as the equipment to be protected.

In the case of single port devices, earthing is achieved by connecting the protector's integral earth lead to the chassis of the equipment to be protected. Connection is by way of a 4mm ring lug.

In the case of multiple-port panels, an M4 stud is provided on the rear of the panel to facilitate connection to the chassis of protected equipment or a suitable common earthing point in equipment racks.

3. After Installation

- 3.1 Check the installation by testing that the equipment is still operating correctly.
- 3.2 Novaris UTP and Modular surge protectors are extremely robust and require very little maintenance. They feature failsafe overcurrent fusing. In the event of a surge that is large enough to damage the surge protection components, the fuses will operate. This is easily detectable, as the signal will no longer pass. Under these circumstances the signal line protector should be replaced as soon as possible.



72 Browns Road, Kingston, TAS. 7050
AUSTRALIA

Telephone: +61 3 6229 7233
Facsimile: +61 3 6229 9245
E-mail: sales@novaris.com.au
Web site: www.novaris.com.au

No.15, 2nd Floor Jalan Tembaga SD 5/2
Sri Damansara Industrial Park,
52200 Kuala Lumpur, Malaysia
Telephone: 603-6273 1599
Facsimile: 603-6272 2599
E-mail: sales@novaris.com.my
Web site: www.novaris.com.au