



RS Serial Port 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 serial port protectors:

DB9 - RS232
DB9 - RS485
DB25 - RS232

1.2 Novaris RS protectors provide protection for serial protocol systems in RS232 and RS485 applications. These units are housed in a head shell enclosure.

1.3 For serial port protectors to protect other serial ports and communication protocols, please contact Novaris.



Figure 1: DB9 - RS485

2. Before Installation

2.1 Novaris serial port protectors are designed to be installed in series with the serial port of equipment to be protected and the serial port cable. If a long cable run is necessary, for effective protection a protector should be used at both ends of the cable run.

2.2 Prior to installation, ensure the equipment is using the specified communication protocol. Continued over voltage may damage Novaris serial port protectors.

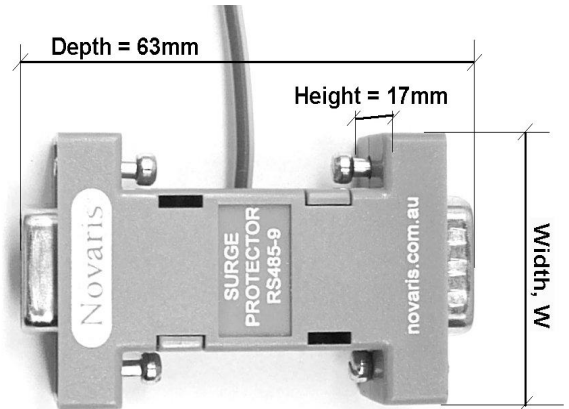


Figure 2: Dimensions of Serial Port Protectors

| Cat No | Width, W |
|--------------|----------|
| DB9 - RS232 | 34mm |
| DB9 - RS485 | 34mm |
| DB25 - RS232 | 56mm |

3. Installation

3.1 The serial port protector is designed to be connected directly to the equipment it is to protect via one of its connectors. The incoming cord should then be connected to the other connector on the serial port protector.

3.2 If the method described in 3.1 is not practical, a short serial cord may be connected between the serial port protector and equipment to be protected. This cord should be kept as short as possible.

3.2 Each protector must be earthed to the same point as the equipment to be protected. 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, which may be affixed to the frame of the equipment or common earth.

3. After installation

3.1 Check the installation by testing that the equipment is still operating correctly.

3.2 Novaris serial port surge protectors are extremely robust and require very little maintenance. However, they should be inspected periodically to ensure they are operating correctly.

3.3 If a defective device is detected it should be returned to Novaris for replacement.



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