

Protec Port Isolator

About

The Protec Port Isolator simulates the presence of a nimbusGo by responding to heartbeat requests, preventing the panel from registering a fault. It is used exclusively on Protec panels and is removed during servicing when a nimbusGo is connected.

When configured correctly and with power connected, you will see the RS232 fault on the panel clear.

Usage and Installation

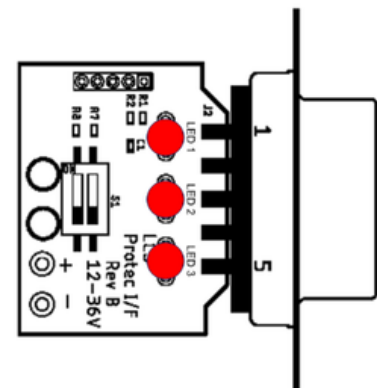
Configuration

The Isolator must be configured according to the model of the Protec panel in use. DIP switches - accessible by opening the top cover and removing the PCB - are configurable for the appropriate Panel.

The unit is fitted with a female 9-pin D connector, plus a supplied gender changer should this be required.

Panel Model	Baud Rate	DIP Switch	Connection
6300	600	Off/Off	Female
6400	2400	Off/On	Female
6500	2400	Off/On	Male

The above table details configuration by panel model, and the right hand diagram shows a unit configured as Off/Off, 600 baud rate



LEDs

On top of the unit are 3 LEDs. With the D connector facing away from you, these indicate:

- LED 1: status, flashing every 2 seconds when power is supplied.
- LED 2: Rx traffic from the Protec panel.
- LED 3: Tx traffic sent from the Isolator, responding to heartbeat requests.

Power

In all cases, the Isolator requires power to be supplied via the red and black cables to the rear of the unit. The input voltage should be 12-36v, commonly utilizing the 24v Panel auxiliary supply. The red cable is the positive supply and black connected to the negative.