

## ZNET100

### Ziton ZP3 Panel Compatible Network Card

- An alternative RS-485 Network Card for the Ziton ZP3 Panel with Added Protection against Electrical Disturbances



The ZNET100 Network Card has been designed as an alternative solution for the networking of Ziton ZP3 Fire Panels.

## FEATURES

- Power supply protection - over voltage protection in the event of the incorrect insertion of the Network Card into the ZP3 Panel main board.
- 2.5kV Galvanic Isolation between the Signal (RS-485) Input and the ZP3 Panel.
- ESD Protection (EN 61000-4-2): Level 4 (8kV Contact and 15 kV Air)
- EFT Protection (EN 61000-4-4): Level 4 (2kV)
- Surge Protection (EN 61000-4-5): Level unspecified (6kV)
- Dual Pluggable terminal blocks for the connection of the RS-485 signal cables. This allows for easier installation of Class B networks.
- Visible Data Communication Indicators. The Data Communication Indicators have been positioned in such a way as to be visible even when an accessory plate is installed in the ZP3 Panel

The ZNET100 offers the same functionality offered on existing network cards, required for the networking of Ziton ZP3 Panels, but with additional protection against the following common electrical disturbances:

- Electrostatic Discharge (ESD) - Caused by personnel, who may have become electrostatically charged, touching the equipment or other equipment nearby.
- Electrical Fast Transient (EFT) - Bursts of fast low energy transients, produced by the switching of inductive loads, that are induced into signal and data circuits.
- Slow high energy voltage surge (Surge) - Slow high energy transients which may be induced into power and signal cables by lightning strikes in the vicinity

## SPECIFICATIONS

### DIMENSIONS

Dimensions:	120 X 55 X 12mm
Weight:	100g
Mounting:	Plug in socket connectors, 3 X M4 Screws on M4 Mounting posts

### POWER

Operating voltage:	5V (supplied by ZP3 Panel Main Board)
Current Rating:	100mA (at 5V)

### INTERFACES

Power / Control:	ZP3 Panel Main Board Allocated Header
RS-485:	Two Pluggable Terminal Blocks (same signals to both), Selectable Fixed Terminations

### TEMPERATURE

Operating:	-10 to 50°C
Storage:	-40 to 70°C

### AGENCY APPROVALS AND STANDARDS

CE, UKCA, RoHs, WEEE compliant
EMC: EN 61000-6-2
Safety: EN 60950