MAINS POWER SURGE SUPPRESSION

Power surges, also referred to as ‘spikes’ or ‘transients’, may be caused by lightning activity with voltage surges reaching up to 6kV and current surges up to 3kA.

Where there is risk of damage to control panel components due to power surges, it is recommended that a surge protection device is fitted in the AC supply line to the panel. It is important to select a suitable surge suppressor to handle the power requirements of the panel. This device should be installed by a competent engineer and wired in accordance with the relevant national standards.

Using a surge suppressor device does not guarantee total panel protection in extreme circumstances.

Please note that if you install a third-party piece of equipment to the supply input, no responsibility can be accepted by the manufacturer or distributors of the control panel.

Fig.1 shows a typical surge protection device wired in series to a control panel.

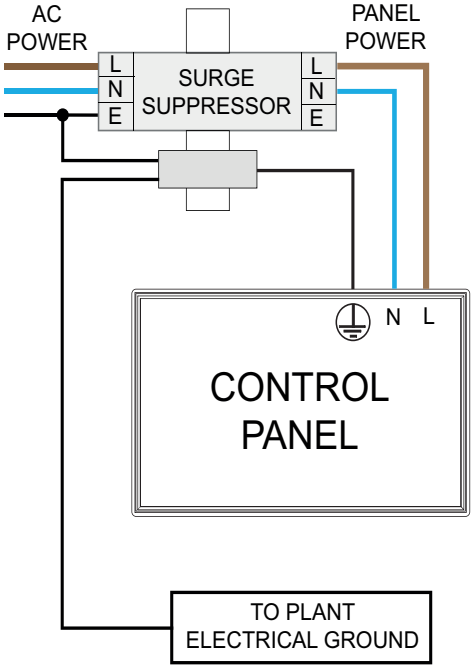

Fig.1 - Typical Surge Suppressor Wiring