



Technical Data Sheet

AC MAINS POWER INRUSH CURRENT LIMITER

42-742 AC Mains Power Inrush Current Limiter

DESCRIPTION

The purpose of this unit is to reduce or eliminate the potentially large current surges which can occur when certain types of equipment are initially powered up. Equipment containing DC power supplies with large smoothing capacitors typically display this surge on switch-on. If an installation contains several such devices, it can often lead to breakers tripping or fuses blowing when the power is applied to the installation. This problem may be solved by switching on individual pieces of equipment in sequence or by trying to eliminate the surge electrically and not relying on someone's memory.

Front Panel:

- 1x Red LED indicates mains power present
- 1x Yellow LED indicates current limiter in operation.

Back Panel:

- 1x C14 mains Inlet, 10A
- 1x C13 mains outlet, 10A
- 1x Fuse Holder

NOTES

Note 1: It is important to remember that the unit will only function when it is in the path between the switched power source and the equipment to be powered.

Please do not insert the unit between the mains and the equipment and then use the ON/OFF switch on the equipment leaving the mains supply live, **the unit cannot limit input current in such conditions.**

Do however, connect the unit to the power outlet and to the equipment BEFORE switching on mains power.

Note 2: The unit is specifically intended for use with audio visual equipment containing capacitively smoothed DC power supplies.

It is **NOT** intended for or designed to limit surges to lighting rigs, fluorescent lamps, electric motors or other surge creating loads.

ENSURE ADEQUATE VENTILATION.

THIS APPARATUS MUST BE EARTHED.

TECHNICAL SPECIFICATION

Nominal AC Input voltage:	220/240 VAC, 50/60 Hz	
AC input voltage:	198 - 254 VAC, 50/60 Hz	
Contact rating	10A continuous, 250VAC	
Duration of current limit:	0.33 Seconds approx.	(voltage dependent)
Maximum relay contact operating time:	15 mS	
Fuse:	20mm HBC Delay 10A	(Stock Code: 42-281 - pack of 10)
VDR:	V275LA20A	(Stock Code: 42-759)
Dimensions:	50 x 93 x 110mm	
Weight:	300grams	