

INSTALLATION

A low cost standard 10A wall plate switch or timing device can be used to turn the heating on and off as required. Furthermore, the same switch can be used to control multiple Softstart Drivers as each driver draws only a few milliamps of switching current.

A further benefit is an extension of lamp life which is achieved by the elimination of power surges.

MAXIMISE ENERGY SAVINGS

In order to maximise energy savings the Softstart Driver may be used in conjunction with our PIR Heating Control PIR1 to control Quartz Heating. The PIR1 is wired in place of the plate switch. In this situation the heating can only come on when there is a physical presence in the area, for a selectable time period, and only when the temperature falls below a predetermined level. Again, the PIR1 can control multiple Softstart Drivers. For further details of this product please consult our leaflet on the PIR1.

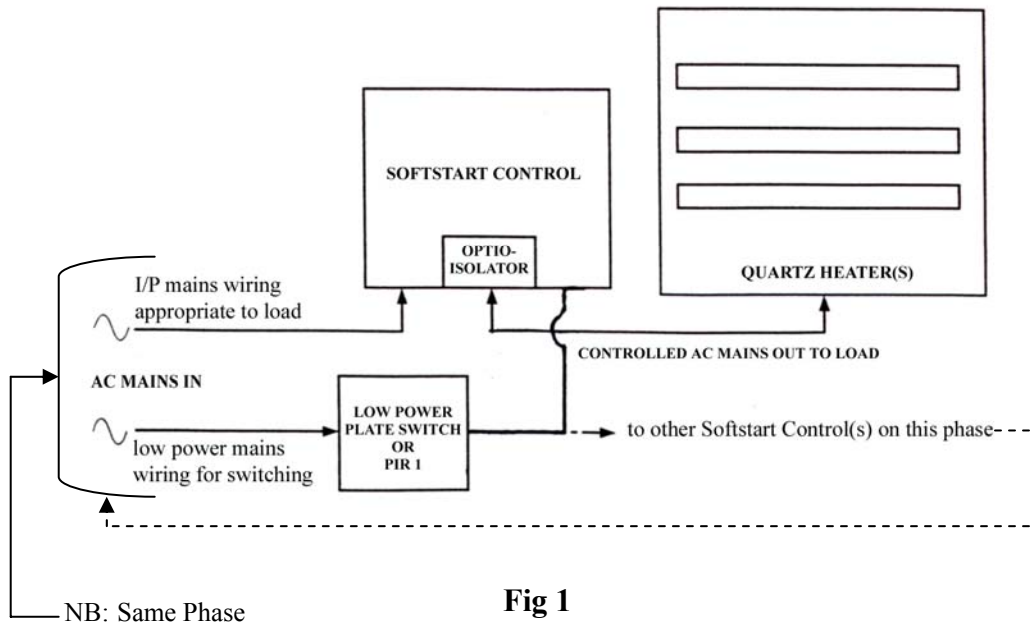


Fig 1

Remove the lid and drill out the four 4 positions in the bottom of the case. Mount the unit on the wall in a suitable position, adjacent to the heaters. Mains input power should be brought into the unit through the left hand 20 mm hole in the bottom of the case using a suitable cable gland.

The output to the heaters should be taken through the right hand hole in the bottom of the case, along with the low power mains wiring from the switch or PIR 1 device, again using a suitable cable gland. Connections are clearly marked on the terminal on the PCB inside the unit.

Ensure that all connections are tight and correctly made.

Standard cable sizing procedures and allowances should be applied when selecting cable to wire the Softstart and Quartz heaters.

The Softstart prevents the horrendous switch-on surge currents normally associated with Quartz heaters. Cable may therefore be downrated from that which would normally be used to wire a Quartz heater ie select cable as if for a standard resistive load electric heater of the same capacity.

Wiring should be as per Fig 1 and should be carried out by a competent electrician in accordance with BS7671 (requirements for electrical installations).

SPECIFICATION

Operating Voltage:	230 – 240V AC 50Hz
Max switching load:	6 kW
Enclosure material:	ABS
Overall dimensions:	195 x 145 x 80 mm

This product is designed and manufactured in accordance with the following standards/directives:

BSEN 60.730.2.7.1991	Specification for electrical controls
89/336/EEC	EMC directive

It is recommended that circuit breakers with a rating of 1.5 times the heating load are used.



SOFTSTART CONTROL

QSC1

FOR QUARTZ HEATING

This unit is specifically designed to control the operation of up to 6 kW of Quartz Heaters. It provides a soft start when initially switching the heaters on, thereby removing the surge normally associated with this type of heater. Cable and switchgear may be selected using the same calculations as for resistive heating loads. This facilitates the use of cheaper and easier to install cable and switchgear.

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