



Pentagon Anti – Condensation heaters have been designed for use in switch and control gear cubicles, where a low wattage heater is required to prevent condensation. They comprise a Pentagon vitreous enamelled resistor mounted in a sheet steel case and having a removable perforated sheet steel cover. There is a cable entry grommet at each end and M4 terminal screws are provided on the resistor. Cable connection is via the M4 screws or 6.3mm push on receptacles

Guide to the selection and use of Anti – Condensation Heaters

The power rating required to prevent condensation in a given cubicle depends upon a number of factors, including temperature and relative humidity. However as a general guide, 10 watts per square metre of cubicle surface area may be used.

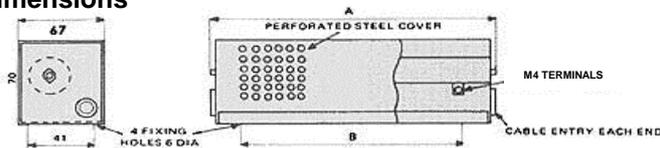
Mounting

To ensure best results, the heaters should be mounted on the back plate of the enclosure with the resistor horizontal, and the terminals at the bottom. This will ensure a free flow of air over the resistor. If it is not possible to mount the heater in this way, or if the flow is severely restricted, it may be necessary to use heat resisting cable to connect the heaters

Thermostats

We recommend the use of a separate thermostat fitted within the cubicle but away from direct radiation from the heater.

Dimensions



Standard ratings

MODEL	A	B	STANDARD POWER	STANDARD VOLTAGES
ACH20	65	19	20,30	110,230
ACH60	121	70	20,40,60,80	110,230
ACH100	191	146	80,100,120	110,230

The standard range of heaters are available ex-stock. Special power and voltages (12V to 415V AC or DC) are available to order.

Typical temperature rises above ambient (deg C)

MODEL	POWER	ELEMENT	CASE	% OF RATED POWER
ACH20	20W	160	60	44
ACH20	30W	208	90	67
ACH60	20W	85	45	22
ACH60	40W	155	65	44
ACH60	60W	209	93	67
ACH60	80W	265	120	89
ACH100	80W	192	71	53
ACH100	100W	207	85	67
ACH100	120W	246	99	80

