

THERMOSTAT CONTROLS

As one of the leading suppliers of trace heating products, Processheat have designed a complementary range of temperature controllers. Ideal for trace heating and other surface heating applications, these thermostatic controls regulate local temperatures, an essential feature for accurate and economic operation of heating systems.

The control thermostats have operational ranges from - 5°C to 200°C and both the surface and air sensing thermostats are housed in robust IP65 weatherproof enclosures.

A Makrolon transparent lid enables visual confirmation of set-point control and operational state of "POWER ON" and "HEATER ENERGISED" neon indicators.

Processheat manufacture two standard ranges of thermostat controls:

- PHSC capillary sensing thermostats
- PHAS air thermostats.

The PHSC range of capillary sensing thermostats are primarily used for controlling pipework and vessel surface temperatures, by energising the

heating system only when the temperature falls below a pre-determined set point.

They are specifically recommended for heating system installations on plastic pipework or temperature sensitive products, where energy costs are to be kept to a minimum.

The PHAS air thermostat gives the basic form of control over a freeze protection system and can be used to control multiple heating circuits. They can be mounted remotely and, it is recommended that the air thermostat is positioned in the coldest location.

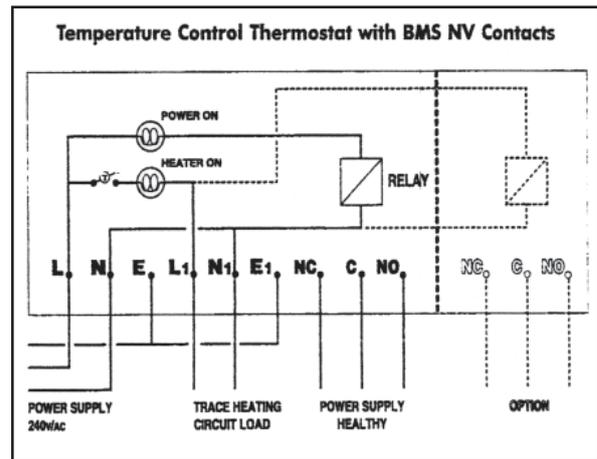
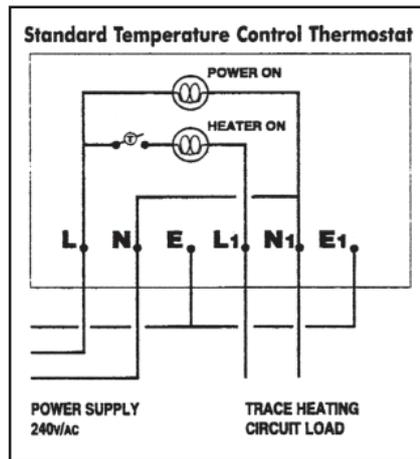
Where monitoring of the heating system is required by a Building Management System (BMS), the PHSC1 BMS provides the necessary data link for power supply and operational heating system status.

Without doubt, the comprehensive range of Processheat thermostat controls provide accuracy and economy of operation for both trace heating and other surface heating applications.

THERMOSTAT CONTROLS

	PHAS	PHSC1	PHSC2	PHSC3	PHSC BMS
Enclosure: Glassfilled Polycarbonate	✓	✓	✓	✓	✓
Lid: Clear Polycarbonate	✓	✓	✓	✓	✓
Classification	IP65	IP65	IP65	IP65	IP65
Temp Range	0 to 40°C	-1 to 40°C	30 to 110°C	60 to 200°C	
Capillary Length		1730mm	1430mm	1430mm	
Voltage	110/240VAC	110/240VAC	110/240VAC	110/240VAC	110/240VAC
Switching Capacity	16A	16A	16A	16A	16A
INDICATION Power 'ON' (RED) Heater 'ON' (AMBER)	✓	✓	✓	✓	✓
BMS Signals					Power 'Healthy' Heater 'Energised' Optional

SCHEMATICS



ACCESSORIES

ACCESSORY

- Ammeter Bypass Test Monitor
- PHSC/BMS - Ammeter Mounting Bracket
- Junction Box
- Junction Box Mounting Bracket
- Thermostat Mounting Bracket
- Gland Termination Kit
- Insulation Entry Kit
- PVC Adhesive Fixing 30 mt
- Adhesive Glass Cloth 50 mte

REFERENCE

- PHAB
- PHB3
- PHJB1
- PHB2
- PHB1
- PHTK
- PHIEK
- PHT1
- PHT2