SPECIFICATION

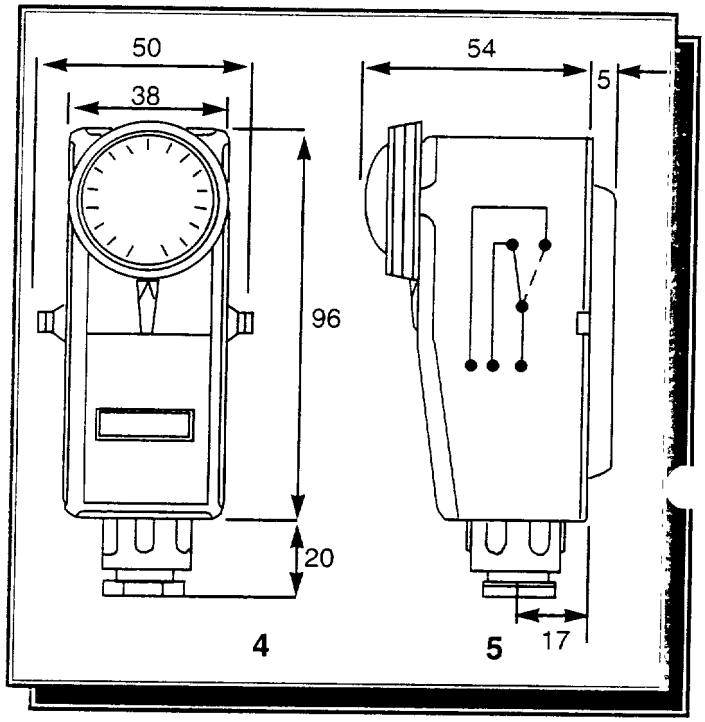
Temperature range	10°C - 90°C
Differential· Adjustable	5°C - 10°C
Rate of change.	1K/min
Casing BRC/C.	Beige plastic
Casing BRC/P	Orange plastic
Securing spring:	BRC/C 1.5m
	BRC/P 230mm
Contacts:	AG 1000/1000
Contact rating:	15A (2 5) 250v
Protection:	I P 20
No of automatic cycles	100,000

Switching action, change-over:

1 = common
2 = break on rise
3 = make on rise

DIMENSIONS

179-872

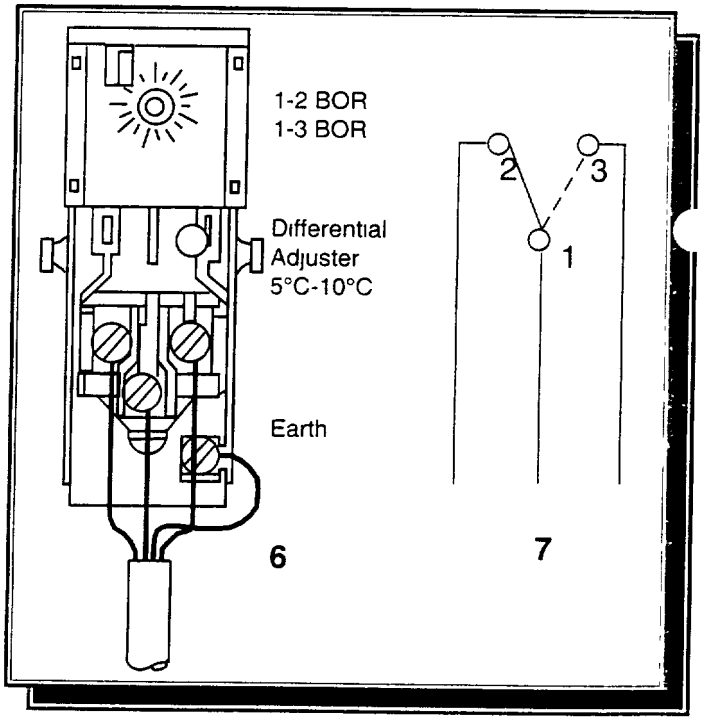


INSTALLATION

1. Remove knob to expose cover screw.
2. Loosen cover screw (**NB.** not captive)
3. Remove plastic cover
4. Place thermostat on location and pass securing spring around pipe or vessel. Hook to lugs ensuring sufficient tension to hold instrument. Cut off surplus spring.
5. Wire thermostat ensuring leads are free from strain it must break before the earth lead.
6. Replace cover, tighten cable gland.

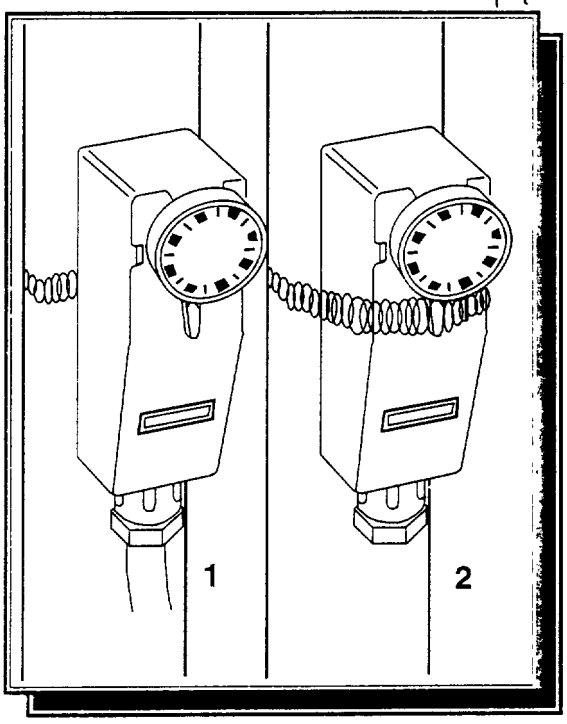
NB. To ensure firm fixing on large cylinders and when thermostat is inserted into a pocket in the insulation, the securing spring of the BRC/C can pass over the cover on the lug provided below the set point indicator. Use the metal hook to join the ends.

ELECTRICAL WIRING



79-872.

BRC THERMOSTAT



Cylinder/pipe Thermostats (surface mounted)
Model BRC

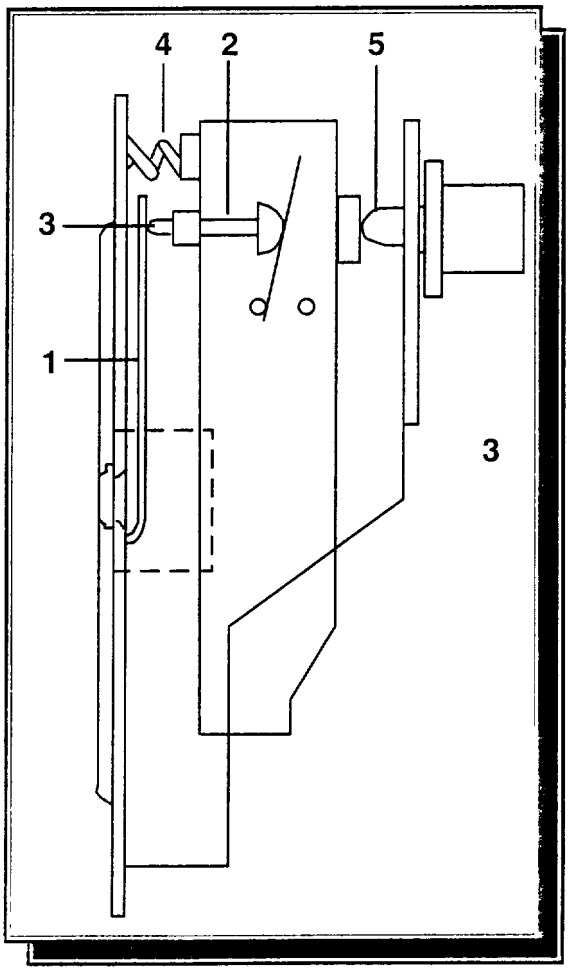
INTRODUCTION

The BRC clamp-on thermostat is intended for surface mounting on pipes and cylinders wherever a switching action is needed when the temperature passes through a wide band threshold

The most popular application is to hot water cylinders to permit switching of boiler/pump/valve to control the water temperature

However they are suitable for a whole variety of applications particularly as they can be fitted without having to either drain the system or provide tappings and pockets.

CONSTRUCTION AND OPERATION



A plated steel frame is used to hold a bimetal strip (1) in close contact with the hot surface.

A microswitch (2) is held in the frame with it's switch button (3) held in the close proximity to the bimetal suspended between spring (4) and adjustment screw (5)

By rotating (5), button (3) is moved in relation to (1)

Rising temperature causes the bimetal to deflect towards the switch It eventually depresses button (3) and operates the switch

The temperature at which this occurs depends on the set point of the adjuster (5).

For any set point the change of the temperature needed to move the switch from one position to another can be adjusted between 5°C and 10°C by turning a screw.

The whole assembly is encased in a plastic cover and adjuster (5) is surmounted with a knurled plastic knob graduated in °C.

MODEL RANGE

BRC/P For pipeline mounting
BRC/C For cylinder mounting

NB. Future production will permit the use of BRC/C for both applications and BRC/P will be phased out