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OWNER'S MANUAL

ROD THERMOSTATS

REFERENCE 9030 - 11 AND 9030 - 12

1 - USE :

Temperature control or limitation of liquids or gases.

Can be removed without draining the tank provided the protective well sheath is left in place.

2 - DESCRIPTION :

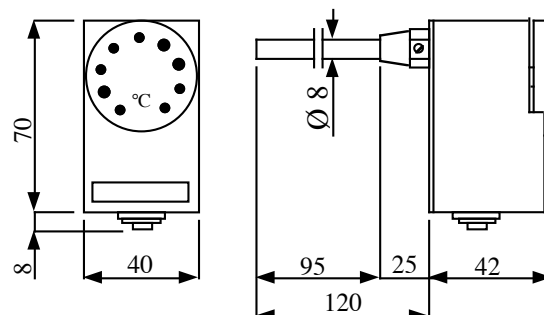
- A liquid expansion thermostat with a copper bulb (diameter 6 mm) inserted in a copper protective well sheath (diameter 8 mm). The thermostat is attached to the protective well sheath by a perpendicular locking screw on the threaded union.
- Load temperature range:
 - reference 9030-11 : 10 - 90°C, maximum admissible temperature on the bulb : 120°C,
 - reference 9030-12 : 40 - 120°C, maximum admissible temperature on the bulb: 150°C.
- Adjustment of temperature set value by indexed button.
- Change-over contact with rapid power cut-out.
- Cut-out power on a resistive load : 15 amps at 250 volts a.c., 10 amps at 400 volts a.c.
- Differential : 6°C ± 1°C.
- Connections to 3 screw terminals + earth, inside the box.
- Protection index : IP 40.
- Comes with a copper protective well sheath (diameter 8 mm, length 120 mm on the 1/2" BSPT threaded union).
- Maximum load pressure : 10 bar.
- Storage temperature: -10 - 120°C.

3 - PRECAUTIONS BEFORE USE : Check that :

- The boss provided to take the protective well sheath has a 1/2" BSPT thread.
- The bulb is made of a material compatible with the fluid controlled.
- Adequate clearance will allow the thermostat to be removed (tunned side : 120 mm).
- The unit must only be powered up when the box lid is in place.

4 - INSTALLATION AND ELECTRICAL CONNECTION :

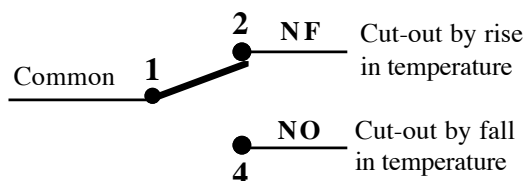
4 - 1 - INSTALLATION :



- Screw the protective well sheath (having first removed it) on to the boss provided for this purpose.
- Carefully insert the bulb into the protective well sheath and tighten the locking screw located on its union.

4 - 2 - ELECTRICAL CONNECTION :

- Remove the box lid after removing the control knob and unscrewing the screw.
- Follow the diagram below, paying particular attention to the terminal numbers :



- Do not omit to connect the earth terminal to the earth point.
- Make sure the screws on each terminal are tight.
- Replace the lid and fasten it with its screw and replace the control knob.

5 - COMMISSIONING PROCEDURE:

- Using the set value control knob, set the required temperature opposite the dial index.
- Power up the heating unit having first checked that all operating conditions have been complied with.
- Before the nominal temperature is reached, make sure that moving the thermostat's control knob stops and restarts the heating. Reset at the load temperature.

PLEASE NOTE : Information on the vernier of the thermostat's control knob is not precise enough to guarantee temperature reading accuracy. Adjust the set point gradually until the required temperature is obtained, measuring it with a thermometer.

6 - MAINTENANCE :

- Periodically (at least once a year, and more often if necessary) :
 - Check that the terminals are tight.
 - Remove the protective well sheath :
 - check that the bulbs and capillaries on the thermostat are in good condition,
 - clean it carefully, without damaging it, if sediment or lime have been deposited on it (risk of impairing regulation by obstructing measurement).

7 - GUARANTEE:

Our guarantee is in accordance with inter-union electrical construction agreements and our general conditions of sale.

We cannot be held liable for any damage caused by :

- use of the appliance over 10% above the design rating,
- exceeding the instrument's cut-out power,
- corrosion or scale,
- lack of maintenance, impact, rough handling or inexperience on the part of the user.