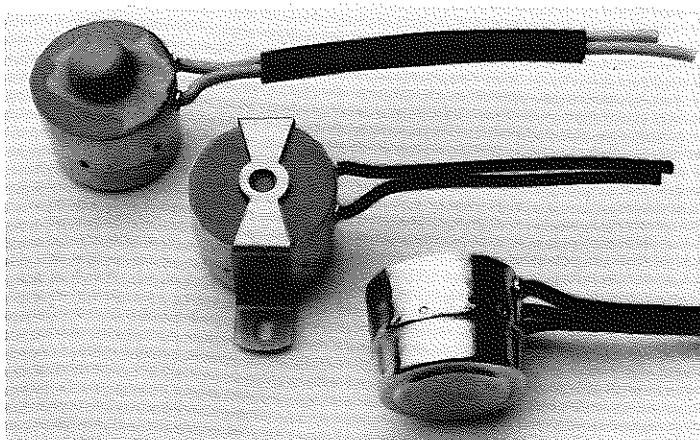


TYPE T3 THERMOSTAT



Description:

A single pole/change over contact type thermal cut-out available in either manual or automatic reset, totally encapsulated with an epoxy resin filler for potential free (no exposed live terminals) and moisture proof operations. The thermostat has a fixed temperature bi-metal disc actuating a switching mechanism providing for an opening and closing of an electrical circuit. Connections are made with flexible connecting leads.

Application:

Heavy duty thermal protection (insensitive to current) particularly suitable for clamping onto suction and discharge lines on refrigeration and air conditioning compressors, heat exchange hot water systems; requiring i) weather, moisture or dust protection; ii) defrost termination; iii) overheat safety control.

Operation:

Temperature sensing is achieved by a surface to surface contact, i.e.; attaching the front face of the protector onto a flat surface to be monitored. If it is required to sense temperature from a pipe, a range of thermostat faces with different radii are available to suit this method of fixture. (see table below)

Changes in temperature are conducted through the metallic housing and directly onto a bimetal disc which snaps over to operate a set of contacts after a pre-determined temperature has been reached. The protector automatically resets when safe operating temperatures are restored. Manual reset cut-outs interrupt the circuit on temperature rise only and restarted by pressing the push button after equipment has normalised and/or faults rectified.

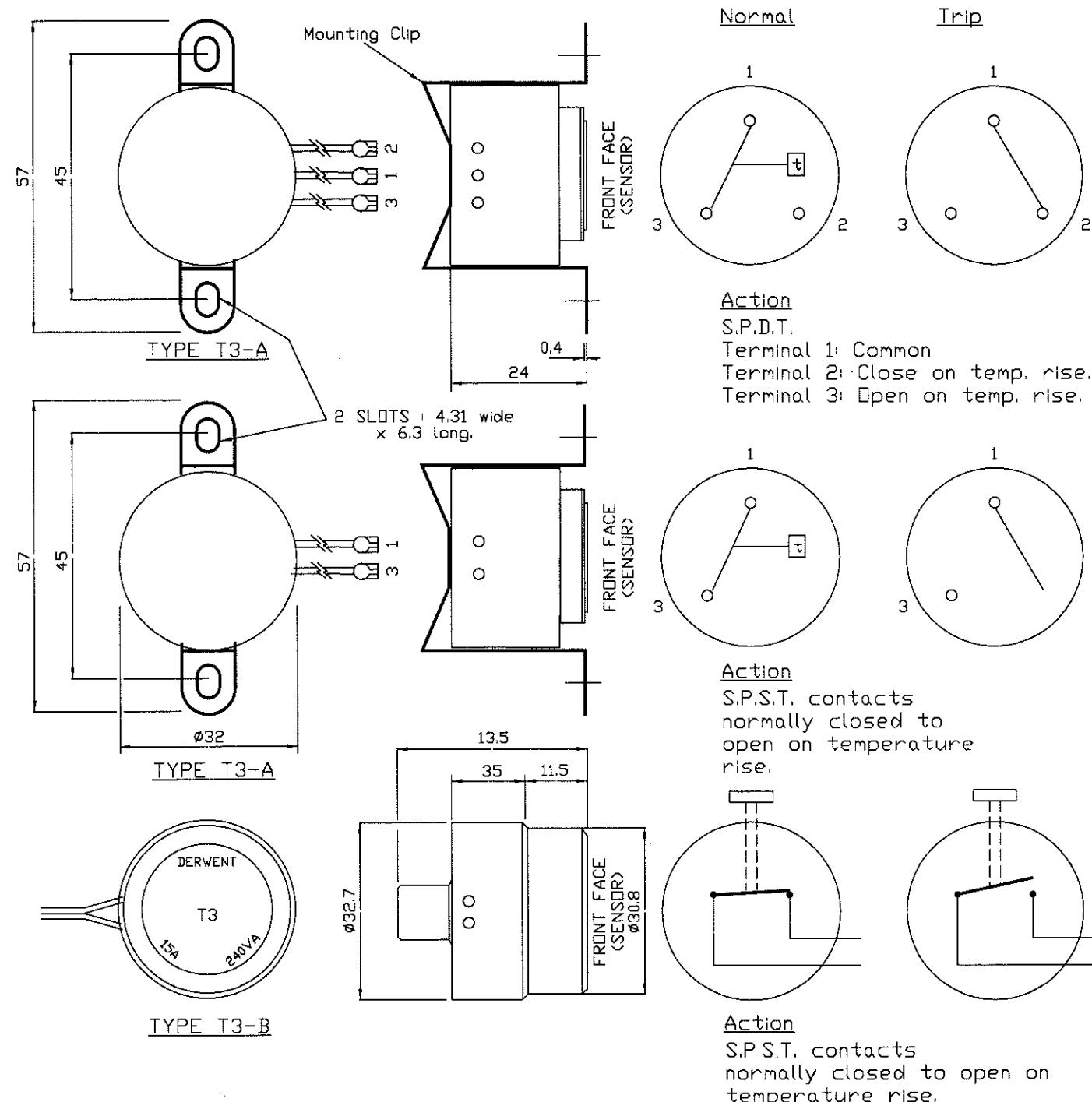
Fixing Options:

Pipe size	Thermostat body material	Mode of Operation	Fixing Accessory
flat surface	solid aluminium	Manual or automatic	Mounting bracket
1/2" copper	solid Cu. (Ni plated)	Manual or automatic	Mounting clip
5/8" copper	solid Cu. (Ni plated)	Manual or automatic	Mounting clip
3/4" copper	solid Cu. (Ni plated)	Manual or automatic	Mounting clip

Specifications:

Operating temperature range:	Nominal temperature -5°C to 150°C
Tolerances:	Opening temperature: +/- 2°C; Closing temp.: +/- 3°C
Differential:	Between 8°C and 10°C
Electrical:	Any configuration in above table may be supplied as: 1. Single pole with either N/O or N/C contacts (SPST) or 2. Change-over contacts (SPDT) 250 Vac.50c/s; 25amp. when p.f.= 1.0 24Vdc. (max) 3 amp. (max)
Terminations:	i) Single insulated V105 PVC ii) Single insulated silicon R-EP-90 iii) Double insulated silicon R-EP-90 (-40°C to 100°C operating temps.)
Approvals:	Approval No. CS907N. AS 1939 Water proof enclosure

THERMOSTAT TYPE T3-A & T3-B (Flat Surface Mounting)



THERMOSTAT T3 (Pipe Fitting)

