

TC-5242 Temperature Controls for Refrigeration and Heating

DESCRIPTION

The TC-5242 low limit thermostat control provide dependability and quality at attractive prices. All TC-5242 controls have a single calibrated scale which shows directly both cut-in and cutout settings. Adjustments can be made readily without removing the cover.

APPLICATION

The TC-5242 single-pole controls are supplied with adjustable 15 to 55°F (-9 to 13°C) temperature range and include a separate reverse-acting auxiliary contact. All Series TC-5242 controls are designed for use only as operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add devices (safety, limit controls) or systems (alarm, supervisory systems) that protect against, or warn of, control failure.



FEATURES

- Long life contact structure with high contact force right up to break -- no bounce on make.
- Specified range.
- Auxiliary contact can be used to actuate an alarm circuit when the main contact opens.
- Heavy gauge "low profile" stainless steel element cup to protect against mechanical damage.

SPECIFICATIONS

Type	Low limit, single pole thermostat
Adjusting	Screwdriver slot, adjusting knob on differential or range screw when required.
Contact Action	Open on rise, close on rise, SPDT, as required.
Electrical Contacts	Two single pole circuit. Main circuit opens on temperature fall and simultaneously the auxiliary or alarm contacts close.
Contact Unit	Snap-acting high contact force right up to contact break point, no bounce, Beryllium copper conductor leaves with Silver-Cadmium Oxide contacts.
Contact Ratings	Main circuit contacts 16.0 Amps @ 120 vac, 600 V Max. Auxiliary circuit contacts 6.0 Amps @ 120 vac, 600 V Max.
Temperature Range	Adjustable range of 15° F to 55° F (-9° C to 13° C). Low limit stop factory set and sealed at 35° F (2° C).
Max Overrun Temp on Bulb	400° F (204° C).
Finish	Gray baked enamel.
Case Material	0.062" (1.6 mm) cold rolled steel.
Cover Material	0.028" (0.7mm) cold rolled steel.
Element	20 Feet of 1/8 O.D. Tubing responds to lowest temperature along any one foot portion.
Differential	Lockout type, requires manual reset after cutout.
Mounting	May be mounted in any position, two mounting holes provided in back of the case (mounting bracket included).
Shipping Weight	2.5 lb (1.1 kg) with knob
Dimensions	4" L x 3-1/4" H x 2" D (1016 mm L x 826 mm H x 508 mm D)

Notice: This product contains toluene, safely sealed inside of bulb. Contact your local waste management authority for instructions regarding recycling and the proper disposal of an old control containing toluene in a sealed tube.