



**RANCO
NORTH
AMERICA**

AN INVENSYS COMPANY

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505715-1 REV. A

TYPE "G1" & "G4" INSTALLATION INSTRUCTIONS

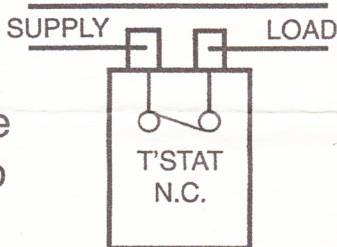
CONTROL CHARACTERISTICS

RANCO G1 and G4 remote bulb temperature controls for use in heating type applications.

SWITCH TYPE

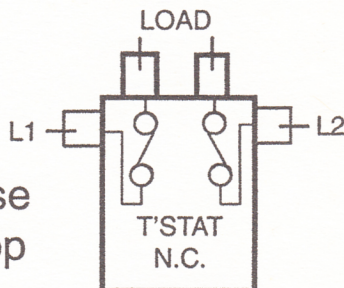
G1 - Single Pole, Single Throw (SPST)

open (cut-out) on rise
close (cut-in) on drop



G4 - Double Pole, Single Throw (DPST)

open (cut-out) on rise
close (cut-in) on drop



ELECTRICAL RATINGS

	G1	G4
VAC		
125/250	30	25
277	25	25
480	15 (U.L.)	
G1 PILOT DUTY		
125/250 VAC	125 VA	

NOTE: All wiring must comply with national and local electrical codes.

INSTALLATION

The tip of the screws used to mount the control must not extend through the mounting bracket so as to touch the control body, maximum 5/32" below surface of mounting bracket. When installing sensing bulb, do not kink or squeeze the bulb or capillary. Bulbs cannot be bent. Never allow the capillary to rest against sharp edges or rub against metal surfaces. Avoid exposing the bulb and capillary to temperatures in excess of the highest temperature marked on the side of the control. A drip loop should be provided in the capillary and the electrical wiring to prevent shorting from moisture reaching the control. If the sensing element has a compression fitting, hand start the fitting, using a suitable wrench secure the fitting. **DO NOT** overtighten.

NOTE

The controls are factory calibrated and the adjusting screws covered with a redish brown glyptol sealant. Do not attempt to adjust, as this will affect operation of thermostat and void the warranty.

CHECKOUT

Inspect work to be assured that all connections are correct. Start up the unit and observe at least one full cycle. When applicable check compression fittings for leaks.

CAUTION

To prevent possible electric shock or equipment damage, disconnect electrical power to unit before installation. **DO NOT** restore power until control is properly installed and grounded.

DO NOT locate control in areas of splashing water or extreme moisture, dirt, dust or in a corrosive or explosive atmosphere.