

TEMPERATURE CONTROLLER

T series

INTRODUCTIONS

T series is an electric switch controlling temperature range. It receives the change of temperature and controls the temperature of refrigerator together with electromagnetic valve. The thermo bulb of the temperature controller is laid in the refrigerator. When the refrigerator's temperature falls down to the lower limit of setting valve of the temperature controller, the temperature controller will act to close the electromagnetic valve and stop refrigeration agent from entering the refrigerator's evaporator, so the refrigerator's temperature won't fall down further. Contrarily, when the refrigerator's temperature rises to the upper limit of the setting valve of the temperature controller, the temperature controller will act to open the electromagnetic valve and the refrigeration agent will enter the evaporator of the refrigerator for refrigeration action, and hereby the refrigerator temperature will fall down gradually. Owing to the action of temperature controller, refrigerator can be kept in a stationery temperature range.



SPECIFICATIONS

◆ Model & Data

Model	Adjusting range (°C)		Temp. difference (°C)		Factory set (°C)		Thermo bulb size (mm)		Operating conditions
	Max.	Min.	Min.	Max.	Off/On	On/Off	Length	Diameter	
T70	-35	-70	Low 5 High 3	15	-50	-45	80	10	Ts > Tb
T30	-30	0			-19	-14			
T15	-15	15			-5	0			
T40	0	40	5	20	17	20	120	12	Ts < Tb
T90	40	90			60	60			
T120	70	120			90	95			

Note: Ts = bulk temperature ; Tb = thermo bulb temperature

◆ Electrical data

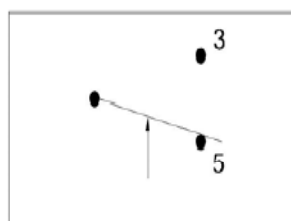
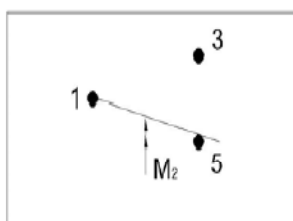
Voltage (V)	AC	
	110 V	220 V
Current (A)		
Non-Inductive Current	24	16
Full load current	24	16
Starting current	144	96

◆ Capillary Length

Code	Q1	Q2	Q3	Q4	Q5
Length	2M	3M	5M	7M	10M

Standard length is 2M

◆ Contact Form (SPDT action)



1: Common contact

1---3: Close on temperature rise

1---5: Close on temperature drop

M₂ indicate the direction of manual resetting

↑ indicate the direction of temperature rise