THERMOSTATS FOR DOMESTIC APPLIANCES
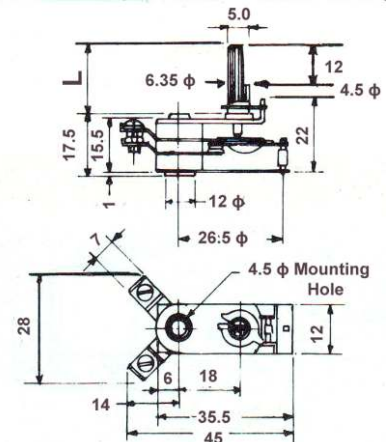
ELMI

Putting Safety & Quality First

Bimetallic Snap Action Thermostats

Type - 515

6 AMPS TYPE	TEMP. RANGE	10AMPS TYPE
515	0 - 220ºC	615
516	0 - 250ºC	616
517	0 - 280ºC	617

Bimetallic Snap Action Preset Thermostats

Type - 531

6 AMPS TYPE	TEMP. RANGE	10AMPS TYPE
531	UPTO 280ºC	631
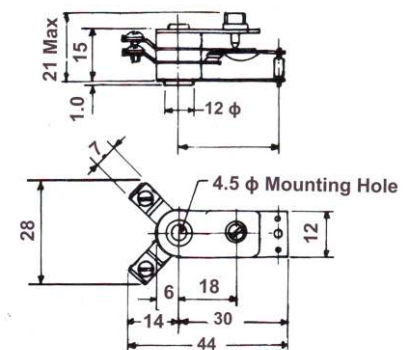
Thermal Fuse (One Shot Device)
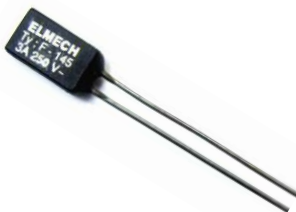
Type - F/T/S

MODEL	Rated Current I_n	Rated Voltage U_n
F	1.0A	250Vac
T	3.0A	250Vac
S	5.0A	250Vac
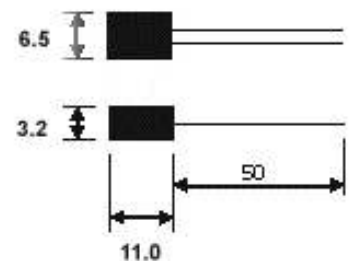
Fusing Temperature	(ºC)	T_f	75	100	120	130	145
Holding Temperature	(ºC)	T_c	45	75	90	105	115
Tolerance on Fusing Temperature					±10K		
Maximum Temp. Limit	(ºC)	T_m			180		

Thermal Overload Protector (TOP)
Current Sensitive Plus Thermal Protection

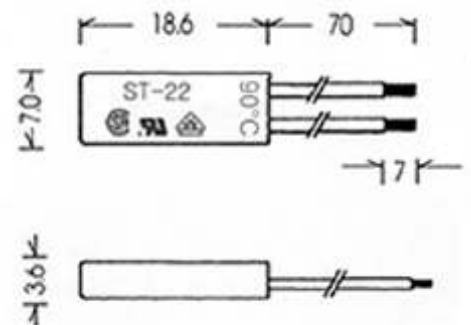| Rating	: 8A 250VAc (resistive)
Temp. Range	: 80 To 150ºC (at No Load) (in 10ºC Increments)
Tolerance	: 5ºC
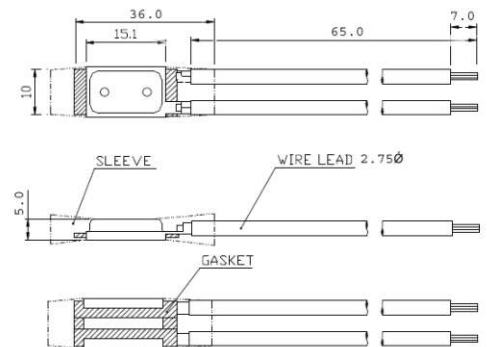
Type - 7AM / 17AM

Thermal Protector

Rating	: 5A 250VAc (Resistive)
Temp. Range	: 70 To 150ºC (at no load) (in 10ºC Increments)
Tolerance	: 5ºC
Differential	: 30±15K

Type - ST-22

Thermal Fuses for Appliances

T_f	T_c	T_m
160	130	500
195	160	500
210	170	500
230	190	500
260	230	500
310	250	500
325	260	500
340	270	500
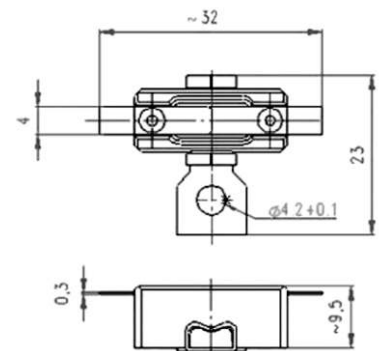
Rated Current (I_n) : A10
Interrupting Current (I_b) : A15
Rated Voltage (U_n) : VAc-250

Type - TS-1

BIMETALLIC SNAP ACTION AND NORMAL ACTION THERMOSTATS & THERMAL CUT OUT

TECHNICAL DATA

RATED CURRENT : 6 A and 10A 250V AC Resistive Load.

SWITCH : Single pole snap action or normal action, contacts of precious metal, contacts open on temperature rise.

TERMINALS : Screw Terminals provided with M3 X 5.0 long Round Head Screw with Washer OR Push on Terminals.

SPINDLE : 6mm Diameter with half moon cut of 5mm & 12mm deep is our standard.
Standard length 20mm & 32mm.

MATERIAL : Silver Cadmium Bimetal contact, Stainless Steel springs, Insulating parts in Steatite Ceramic which resists current leakage.

MODE OF OPERATION : The Contacts open as soon as the set temperature is reached and close automatically when the temperature has dropped by differential. In case of manual reset, press down the pin after the temperature has fallen.

TEMPERATURE SETTING : A desired temperature can be set by adjusting the spindle rotation. Total angular rotation is approximately 300 °C. Reduced angle also possible. Also available with set screw (Fixed Temperature). This is a preset Thermostat and the temperature is set in the factory as per customer requirement .

DIFFERENTIAL : Approximately 10 to 25 K according to mounting, contact loading and execution.

Arrangement of Terminals

CODIFICATION

| A | B | C | D | E |

Type:

Type of Spindle
'H' - Half Moon Cut Spindle

Length 'L' of Spindle - 32 or 20mm

Type of Terminal
i) 1 - Screw
ii) 2 - Push On

Andle of Terminals
1) YF - 'Y' Form
2) RR - Right Angle Right
3) RL - Right Angle Left
4) OP - Opposed
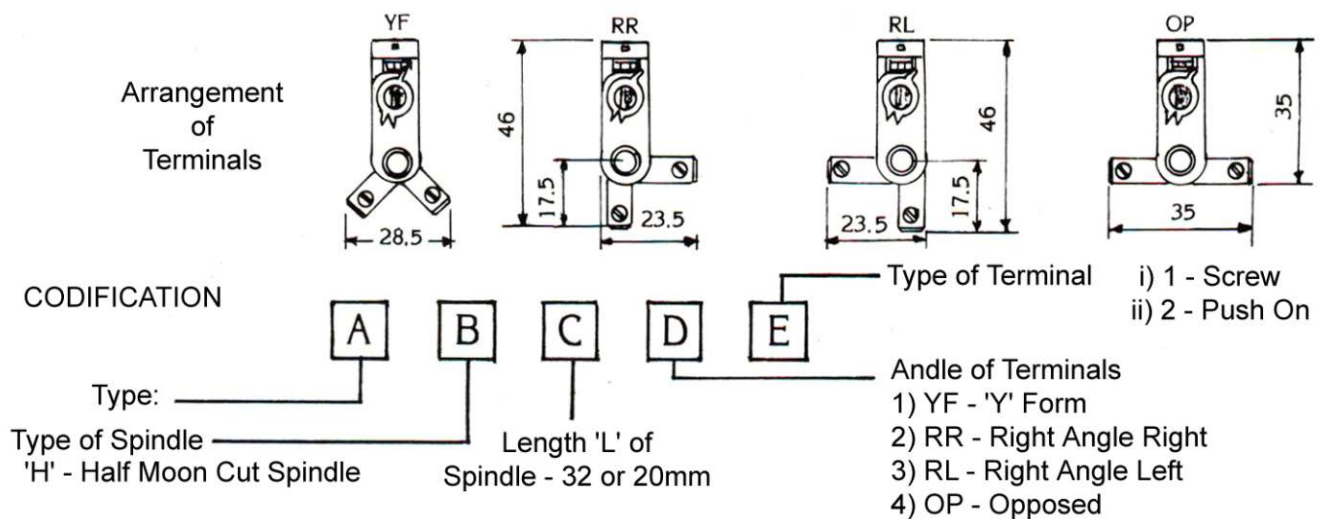
(Dimensions are for Reference only.)

Note:
1) For preset Thermostat required temperature will be indicated instead of Type of Spindle (B) & Length (C)
2) Thermostat with half moon cut spindle length L = 20 or 32mm and 'Y' form screw Terminal is our standard.
Follow the codification if other types are required.

e.g. 515/H32/YF1

A) 515 Adjustable snap action Thermostat upto 220°C
B) H Knurled half-moon cut spindle
C) 32 Length of spindle in mm
D) YF Terminal arranged in Y form
E) 1 Screw Terminal

e.g. 531/200/OP2

531 Preset snap action Thermostat.
200 indicates the temperature preset in our factory
OP Terminal arranged in opposed form
2 Indicates Push on Terminal

Application: The Bimetallic Thermostats have got wide application in Domestic as well as Industrial field such as Irons, Ironing Machines, Waffle Irons, Grillers, Rapid Water Heaters, Percolators, Baby Bottle Warmer, Hot Plates, Ovens, Cooking Range, Rice Cookers, Fryers, Heating Pads, Pop Corn & Candy Machines, etc. wherever the temperature upto 300°C is to be controlled.