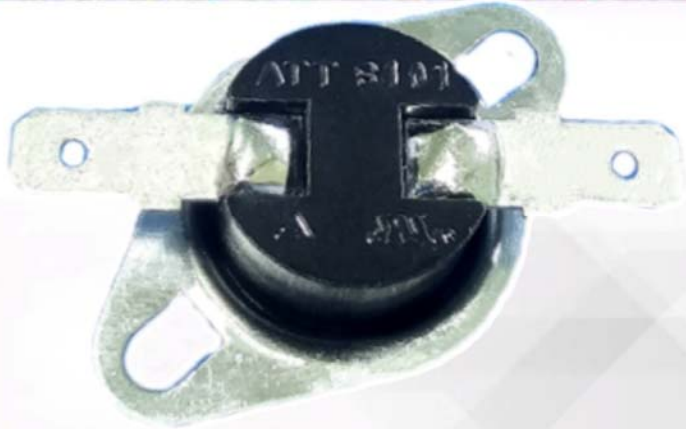


**ATT**

# PRODUCT DATA SHEET










# S101-SERIES

## SNAP-ACTION BIMETAL THERMOSTAT (AUTO RESET-SINGLE ACTION)

### SPECIFICATION:

AUTOMATIC RESET BIMETAL THERMOSTAT	
<b>APPLICATION</b>	AVAILABLE FOR OVEN, MICROWAVE OVEN, ELECTRIC JAR POT, RAPID WATER-HEATERS, REFRIGERATOR, COFFEE MAKERS, COPYING MACHINES, VACUUM CLEANER, WASHING MACHINE AND WATER PUMP.
<b>ELECTRICAL RATING (RESISTIVE LOAD)</b>	125 VAC / 15A , 250 VAC / 10A ; 250 VAC/16A ; 250 VAC/25A
<b>OPERATING TEMP RANGE.</b>	- 5 'C to 150 'C (UPON CUSTOMER REQUIREMENT)
<b>DIFFERENTIAL, BETWEEN OPERATION AND RETURN TEMP</b>	8 'C OR MORE (AUTOMATIC RESET) RETURN TEMP LESS THAN -35 'C (SINGLE OPERATION)
<b>TEMP TOLERANCE</b>	OPERATING TEMP. +,- 4 'C / RETURN TEMP. +,- 7 'C (STANDARD)
<b>CIRCUIT RESISTANCE (INITIAL VALUE)</b>	50 m.-Ohms or LESS.
<b>INSULATION RESISTANCE.</b>	100 M-Ohms or MORE (WITH 500 VDC MEGGER)
<b>DIELECTRIC STRENGTH.</b>	1500 VAC / MINUTE OR 1800 VAC / SEC.
<b>HEAT DURABILITY</b>	150 'C
<b>SWITCHING DURABILITY</b>	<div> <div> 125VAC/15A =100,000 Cycle  250VAC/10A =100,000 Cycle  250VAC/16A = 50,000 Cycle  250VAC/17A = 50,000 Cycle  250VAC/25A = 10,000 Cycle </div> <div>TÜV</div> <div> 125VAC/15A =100,000 Cycle  250VAC/8A =100,000 Cycle </div> <div>UL</div> </div>
<b>TRACKING RESISTANCE</b>	S101 PHENOLIC CASE SHALL BE FOLLOWED PTI VALUE MORE THAN 175V S101-2 MELAMINE PHENOLIC CASE SHALL BE FOLLOWED PTI VALUE MORE THAN 250V
<b>STANDARD COMPLIANTS</b>	    
<b>ADDITIONAL COMPLIANTS NEEDS</b>	AVAILABLE UPON REQUEST.
* LOW TOLERANCE LESS THAN STANDARD TYPE IS ALSO AVAILABLE. * ELECTRICAL RATING BY VOLTAGE DC IS ALSO AVAILABLE.	

**STANDARD MODEL TYPE**






- BIMETAL TYPE**
  - R : HORIZONTAL 180 Degree
  - T : VERTICAL 90 Degree
  - V : ANGLE 150 Degree
  - W : ANGLE 135 Degree
  - Q : ANGLE 160 Degree
  - S : BENT TYPE TERMINAL
- TERMINAL TYPE**
  - 1: BRASS TINPLATED-187 SERIES TAB (T=0.5)
  - 2: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - 3: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - 6: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - 7: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - 9: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - D: BRASS TINPLATED-187 SERIES TAB (T=0.5)
  - G: BRASS TINPLATED-187 SERIES TAB (T=0.5)
  - I: BRASS TINPLATED-187 SERIES TAB (T=0.5)
  - P: BRASS TINPLATED-250 SERIES TAB (T=0.8)
  - Y: STEEL TINPLATED SCREW 8-32 UNC (T=0.8)
  - Z: STEEL TINPLATED SCREW M4x0.7P (T=0.8)
- TERMINAL SIZE**
  - CH01 : CAP/HOLDER ALUMINIUM T=0.5 m.m
  - CH02 : CAP/HOLDER ALUMINIUM T=0.5 m.m
  - CH03 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m
  - CH04 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH05 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH06 : CAP/HOLDER ALUMINIUM T=0.5 m.m
  - CH07 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH08 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH09 : CAP/HOLDER ALUMINIUM T=0.5 m.m
  - CH10 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m
  - CH13 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH15 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH16 : CAP/HOLDER ALUMINIUM T=0.5 m.m
  - CH17 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH18 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
  - CH19 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m
- CAP HOLDER TYPE**
  - C1 : ALUMINIUM T=0.4 m.m.
  - C2 : STAINLESS STEEL T= 0.25 m.m.
  - C3 : ALUMINIUM WITH RIM (SPECIAL DEPTH) T=0.5 m.m.
  - C4 : ALUMINIUM WITH RIM CUT (SPECIAL DEPTH) T=0.5 m.m.
  - C5 : ALUMINIUM WITH RIM (SPECIAL DEPTH) T=0.5 m.m.
  - C6 : STAINLESS STEEL,WITH RIM T=0.3 m.m.
  - C8 : STAINLESS STEEL T= 0.25 m.m.
  - CK : ALUMINIUM T=0.4 m.m.
  - CL : STAINLESS STEEL T= 0.25 m.m.
- CAP TYPE**
  - H1 : STAINLESS STEEL
  - H2 : STAINLESS STEEL
  - H3 : STEEL Zn YELLOW PLATING
  - H4 : STEEL Zn YELLOW PLATING
  - H6 : STAINLESS STEEL (SPOT WELDING TYPE)
  - H7 : STAINLESS STEEL
  - H8 : STAINLESS STEEL
  - H9 : STEEL Zn YELLOW PLATING
- HOLDER TYPE**
  - 00 : WITHOUT HOLDER
  - HA : STEEL Zn BLACK PLATING
  - HB : STAINLESS STEEL
  - HJ : STAINLESS STEEL
  - HK : STEEL Zn YELLOW PLATING



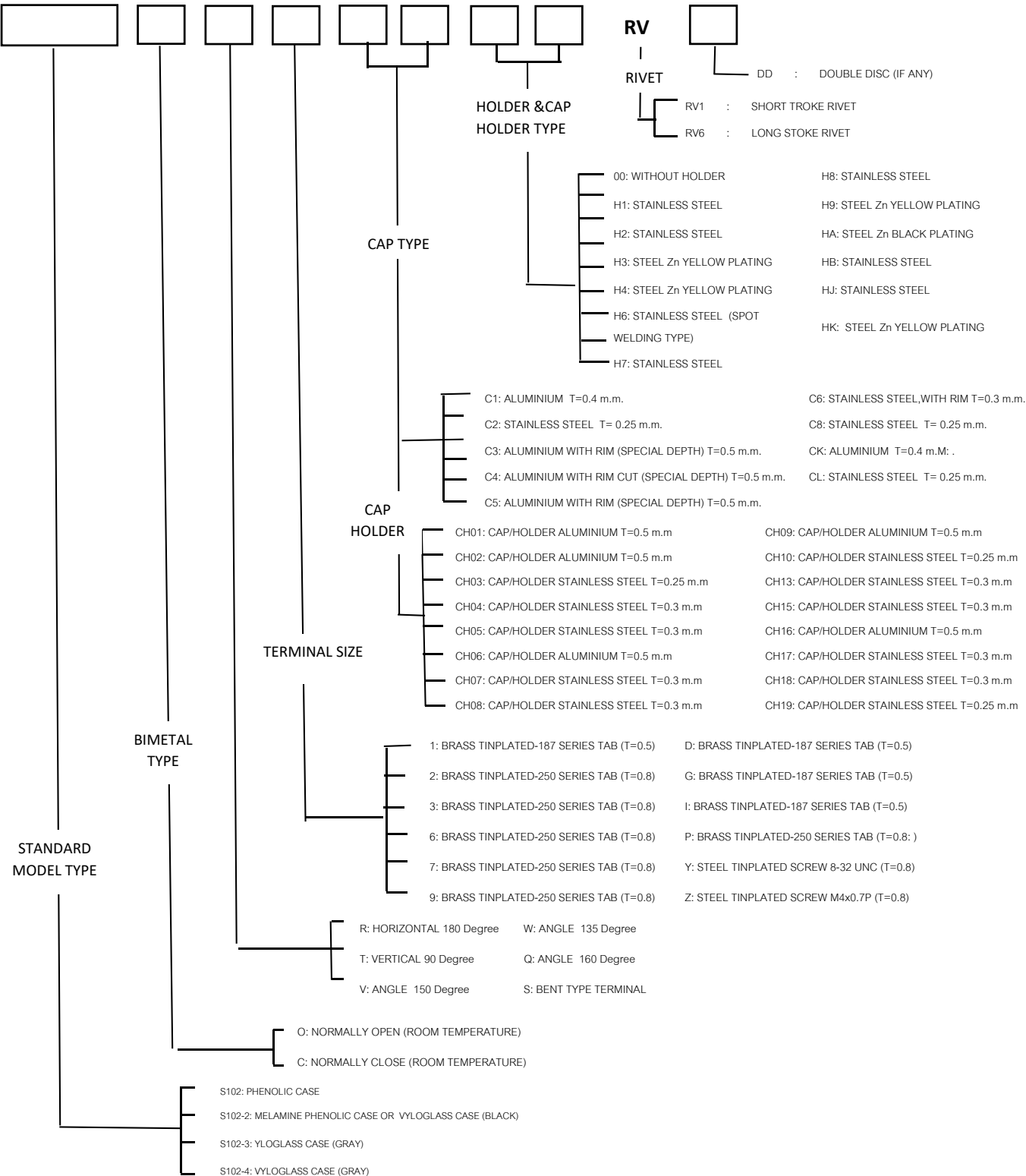
# S102 SERIES

## SNAP-ACTION BIMETAL THERMOSTAT (SINGLE or DOUBLE ACTION)

### SPECIFICATION:

SINGLE or DOUBLE ACTION BIMETAL THERMOSTAT	
<b>APPLICATION</b>	AVAILABLE FOR OVEN , MICROWAVE OVEN, ELECTRIC JAR POT, RAPID WATER-HEATERS , HEATER , COFFEE MAKERS , COPYING MACHINES , VACUUM CLEANER , WASHING MACHINE AND WATER PUMP.
<b>ELECTRICAL RATING (RESISTIVE LOAD)</b>	125 VAC / 15A , 250 VAC / 10A , 250 VAC / 16A
<b>OPERATING TEMP RANGE.</b>	10 'C to 150 'C
<b>TEMP TOLERANCE</b>	OPERATING TEMP. +5 'C ( RETURN TEMP. +7'C FOR DOUBLE DISK ACTION )
<b>CIRCUIT RESISTANCE (INITIAL VALUE)</b>	50 m.Ω (m-Ohms) or LESS.
<b>INSULATION RESISTANCE.</b>	100 MΩ (M.-Ohms) or MORE (WITH 500 VDC MEGGER)
<b>DIELECTRIC STRENGTH.</b>	1500 VAC / MINUTE OR 1800 VAC / SEC.
<b>HEAT DURABILITY</b>	150 'C ( PHENOLIC ) 185 'C ( POLYESTER )
<b>SWITCHING DURABILITY</b>	<div> <div> 125VAC/15A =1,000 Cycle  250VAC/10A =1,000 Cycle  250VAC/16A = 1,000 Cycle  250VAC/17A = 1,000 Cycle  250VAC/25A = 1,000 Cycle </div> <div>TÜV</div> </div> <div> <div> 125VAC/15A =6,000 Cycle  250VAC/8A =6,000 Cycle </div> <div>UL</div> </div>
<b>TRACKING RESISTANCE</b>	UNSATURATED POLYESTERS RESIN USED FOR CASE AND RODGUIDE, SHALL BE FOLLOWED PTI VALUE MORE THAN 600 V., PHENOLIC USE FOR CASE AND ROD GUIDE SHALL BE FOLLOWED PTI VALUE MORE THAN 175V
<b>STANDARD COMPLIANTS</b>	    
<b>ADDITIONAL COMPLIANTS NEEDS</b>	AVAILABLE UPON REQUEST.
* LOW TOLERANCE LESS THAN STANDARD TYPE IS ALSO AVAILABLE. * ELECTRICAL RATING BY VOLTAGE DC IS ALSO AVAILABLE.	

MODEL CODE:





# S103-SERIES

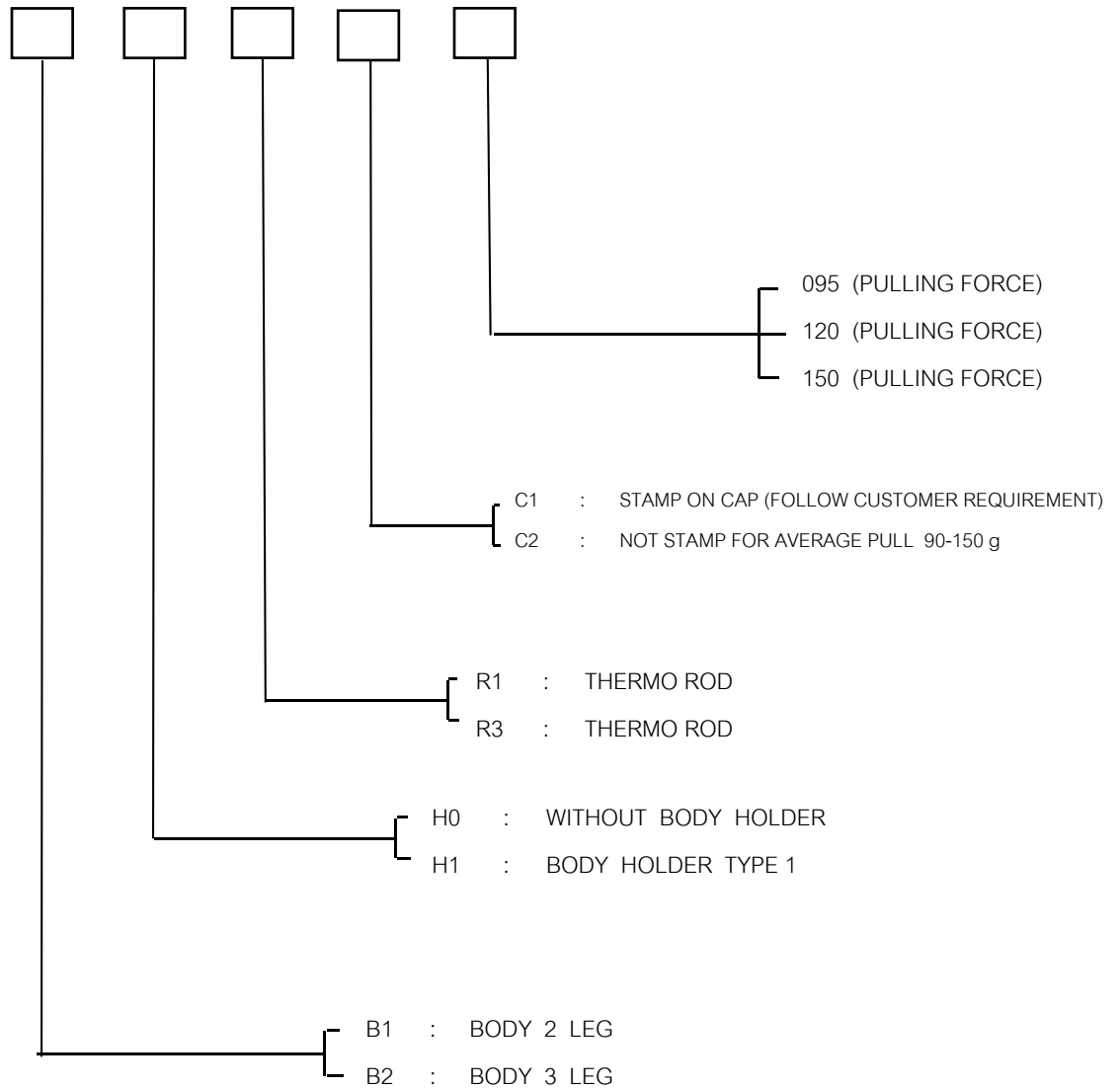
## MAGNET THERMOSTAT

### SPECIFICATION:

MAGNET THERMOSTAT	
APPLICATION	AVAILABLE FOR RICE COOKER, RICE COOKER WITH WARMER
OPERATING TEMP RANGE.	100 TO 180 °C
DIFFERENTIAL , BETWEEN OPERATION AND RETURN TEMP	10 °C OR MORE
TEMP TOLERANCE	OPERATING TEMP. +4 °C / RETURN TEMPERATURE +10°C
PULLING FORCE	100 TO 150 G.
VIBRATION RESISTANCE	WHEN THERMOSTAT IS DROPED FREELY FROM A HIGHT OF 10 m.m. IT SHALL NOT TURN OFF.

**MODEL CODE:**

**S103**








# S104 SERIES

## SNAP-ACTION BIMETAL THERMOSTAT (VYLOGLOSS)

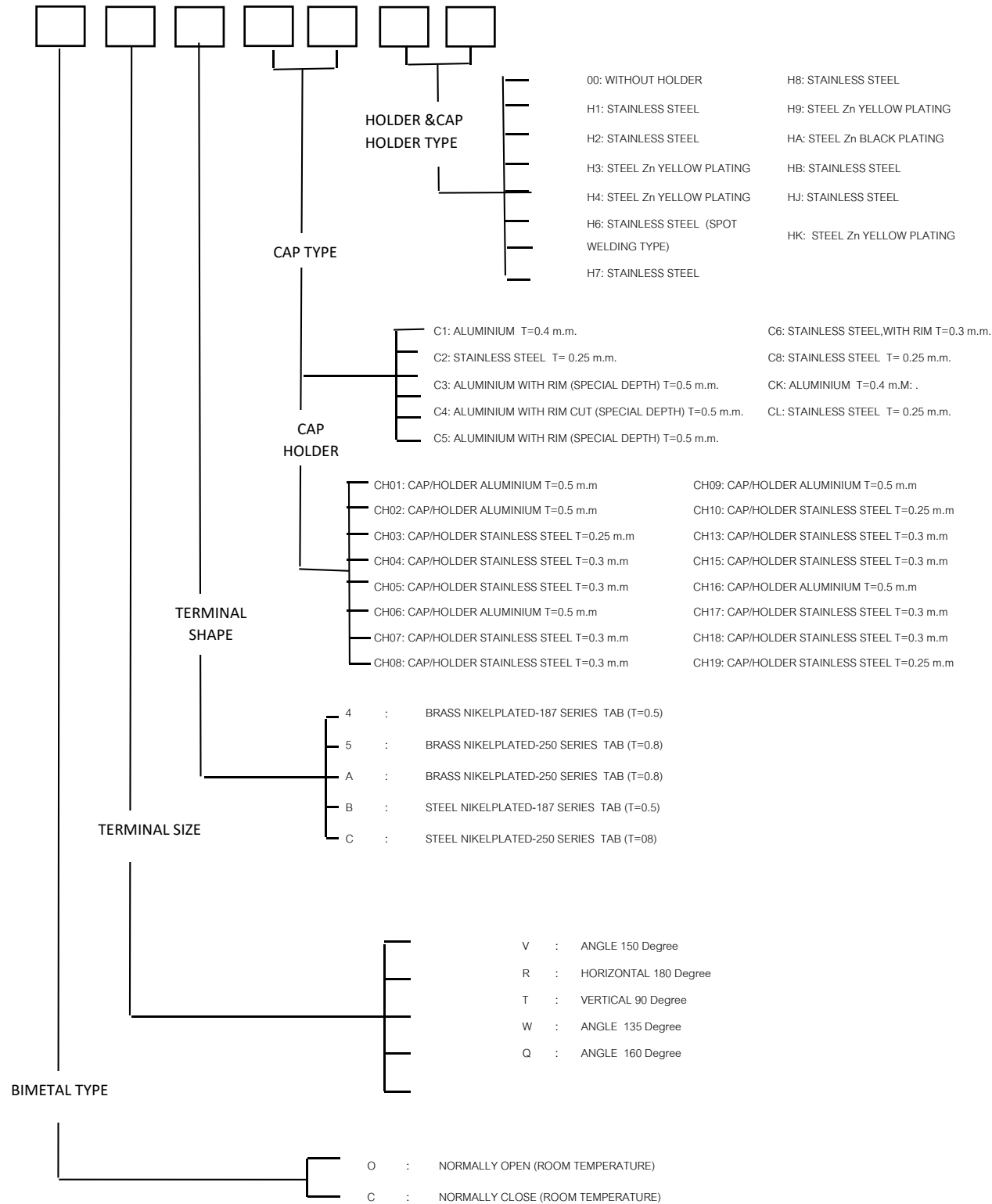
### SPECIFICATION:

AUTOMATIC RESET BIMETAL THERMOSTAT	
APPLICATION	AVAILABLE FOR MICROWAVE OVEN, ELECTRIC JAR POT, RAPID WATER-HEATERS , HEATERS , COFFEE MAKERS ,AND COPYING MACHINES
ELECTRICAL RATING (RESISTIVE LOAD)	125 VAC / 15A , 250 VAC / 10A ; 250 VAC/16A
OPERATING TEMP RANGE.	- 5 'C to 185 'C (UPON CUSTOMER REQUIREMENT)
DIFFERENTIAL, BETWEEN OPERATION AND RETURN TEMP	8 'C OR MORE (AUTOMATIC RESET) RETURN TEMP LESS THAN -35 'C (SINGLE OPERATION)
TEMP TOLERANCE	OPERATING TEMP. +,- 4 'C / RETURN TEMP. +,- 7 'C (STANDARD)
CIRCUIT RESISTANCE (INITIAL VALUE)	50 mΩ or LESS.
INSULATION RESISTANCE.	100 MΩ or MORE (WITH 500 VDC MEGGER)
DIELECTRIC STRENGTH.	1500 VAC / MINUTE OR 1800 VAC / SEC.
HEAT DURABILITY	185 'C
SWITCHING DURABILITY	<div> 125VAC/15A =100,000 Cycle  250VAC/10A =100,000 Cycle  250VAC/16A = 30,000 Cycle  250VAC/17A = 30,000 Cycle </div> } TÜV
TRACKING RESISTANCE	UNSATURATED POLYESTERS RESIN VYLOGLOSS VG-7100 USED FOR CASE AND RODGUIDE, SHALL BE FOLLOWED PTI VALUE MORE THAN 600 V.
STANDARD COMPLIANTS	  
ADDITIONAL COMPLIANTS NEEDS	AVAILABLE UPON REQUEST.
* LOW TOLERANCE LESS THAN STANDARD TYPE IS ALSO AVAILABLE. * ELECTRICAL RATING BY VOLTAGE DC IS ALSO AVAILABLE.	



**MODEL CODE:**

**S104**









# S105 SERIES

## SNAP-ACTION BIMETAL THERMOSTAT (CERAMIC)

### SPECIFICATION:

AUTOMATIC RESET BIMETAL THERMOSTAT (HIGH TEMP RESISTANCE)	
APPLICATION	AVAILABLE FOR COFFEE MAKERS , COPYING MACHINES, HEATERS AND IRON ETC.
ELECTRICAL RATING (RESISTIVE LOAD)	125 VAC / 15A , 250 VAC / 10A ; 250 VAC/16A
OPERATING TEMP RANGE.	- 5 'C to 200 'C (SPECIAL UP TO 270')
DIFFERENTIAL, BETWEEN OPERATION AND RETURN TEMP	15'C TO 25 'C (RETURN TEMPERATURE -35 'C SINGLE OPERATING)
TEMP TOLERANCE	OPERATING TEMP. +,- 4 'C / RETURN TEMP. +,- 7 'C (STANDARD)
CIRCUIT RESISTANCE (INITIAL VALUE)	50 mΩ or LESS.
INSULATION RESISTANCE.	100 MΩ or MORE (WITH 500 VDC MEGGER)
DIELECTRIC STRENGTH.	1500 VAC / MINUTE OR 1800 VAC / SEC.
HEAT DURABILITY	250 'C OR MORE
SWITCHING DURABILITY	<div> 125VAC/15A =100,000 Cycle  250VAC/10A =100,000 Cycle  250VAC/16A = 30,000 Cycle  250VAC/17A = 30,000 Cycle  125VAC/15A =100000 Cycle  250VAC/10A =100000Cycle </div> <div> } TÜV  } UL </div>
STANDARD COMPLIANTS	   
ADDITIONAL COMPLIANTS NEEDS	AVAILABLE UPON REQUEST.
* LOW TOLERANCE LESS THAN STANDARD TYPE IS ALSO AVAILABLE. * ELECTRICAL RATING BY VOLTAGE DC IS ALSO AVAILABLE.	

**STANDARD MODEL TYPE**

- 00 : WITHOUT HOLDER
- H1 : STAINLESS STEEL
- H2 : STAINLESS STEEL
- H3 : STEEL Zn YELLOW PLATING
- H4 : STEEL Zn YELLOW PLATING
- H6 : STAINLESS STEEL (SPOT WELDING TYPE)
- H7 : STAINLESS STEEL
- H8 : STAINLESS STEEL
- H9 : STEEL Zn YELLOW PLATING
- HA : STEEL Zn BLACK PLATING
- HB : STAINLESS STEEL
- HJ : STAINLESS STEEL
- HK : STEEL Zn YELLOW PLATING

**BIMETAL TYPE**

- R : HORIZONTAL 180 Degree
- T : VERTICAL 90 Degree
- V : ANGLE 150 Degree
- W : ANGLE 135 Degree
- Q : ANGLE 160 Degree
- S : BENT TYPE TERMINAL

**TERMINAL TYPE**

- O: NORMALLY OPEN (ROOM TEMPERATURE)
- C: NORMALLY CLOSE (ROOM TEMPERATURE)

**TERMINAL SIZE**

- CH01 : CAP/HOLDER ALUMINIUM T=0.5 m.m
- CH02 : CAP/HOLDER ALUMINIUM T=0.5 m.m
- CH03 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m
- CH04 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH05 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH06 : CAP/HOLDER ALUMINIUM T=0.5 m.m
- CH07 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH08 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH09 : CAP/HOLDER ALUMINIUM T=0.5 m.m
- CH10 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m
- CH13 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH15 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH16 : CAP/HOLDER ALUMINIUM T=0.5 m.m
- CH17 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH18 : CAP/HOLDER STAINLESS STEEL T=0.3 m.m
- CH19 : CAP/HOLDER STAINLESS STEEL T=0.25 m.m

**CAP HOLDER TYPE**

- C1 : ALUMINIUM T=0.4 m.m.
- C2 : STAINLESS STEEL T= 0.25 m.m.
- C3 : ALUMINIUM WITH RIM (SPECIAL DEPTH) T=0.5 m.m.
- C4 : ALUMINIUM WITH RIM CUT (SPECIAL DEPTH) T=0.5 m.m.
- C5 : ALUMINIUM WITH RIM (SPECIAL DEPTH) T=0.5 m.m.
- C6 : STAINLESS STEEL,WITH RIM T=0.3 m.m.
- C8 : STAINLESS STEEL T= 0.25 m.m.
- CK : ALUMINIUM T=0.4 m.m.
- CL : STAINLESS STEEL T= 0.25 m.m.

**CAP TYPE**




**HOLDER TYPE**



# S109-SERIES

## PPS THERMOSTAT

### SPECIFICATION:

AUTOMATIC RESET PPS BIMETAL THERMOSTAT	
APPLICATION	AVAILABLE FOR COFFEE MAKERS , COPYING MACHINES, LASER PRINTER, HEATERS AND IRON ETC.
ELECTRICAL RATING (RESISTIVE LOAD)	125 VAC / 17A , 250 VAC / 17A
OPERATING TEMP RANGE.	0°C TO 220 'C (FOR c UL 100°C TO 220 'C )
DIFFERENTIAL, BETWEEN OPERATION AND RETURN TEMP	15'C TO 25 'C (RETURN TEMPERATURE LESS THAN -35 'C FOR SOD)
TEMP TOLERANCE	OPERATING TEMP. +,- 4 'C / RETURN TEMP. +,- 7 'C (STANDARD)
CIRCUIT RESISTANCE (INITIAL VALUE)	50 m.-Ohms or LESS.
INSULATION RESISTANCE.	100 M-Ohms or MORE (WITH 500 VDC MEGGER)
DIELECTRIC STRENGTH.	1500 VAC / MINUTE OR 1800 VAC / SEC.
HEAT DURABILITY	220 'C OR MORE
SWITCHING DURABILITY	30,000 TIMES FOR AUTOMATIC RESET , ONE SHOT TYPE FOR SOD
TRACKING RESISTANCE	S109 POLYPHENYLENE SULFIDE CASE AND ROD GUIDE SHALL BE FOLLOWED PTI VALUE MORE THAN 175V
STANDARD COMPLIANTS	  
ADDITIONAL COMPLIANTS NEEDS	AVAILABLE UPON REQUEST.
* LOW TOLERANCE LESS THAN STANDARD TYPE IS ALSO AVAILABLE. * ELECTRICAL RATING BY VOLTAGE DC IS ALSO AVAILABLE.	

MODEL CODE:

