

Thermostats




various industrial plants and machines.

The thermostats can be fitted with one or two change-over microswitches.

Description and general specifications:

CASING : aluminium alloy powder painted (RAL 7035) suitable to withstand to any climate and to heavy polluted atmosphere in as well tropical or arctical climates (-40/+70°C). All components are made of corrosion resistant or surface treated materials. The case is provided with a breather device to avoid dew .To make cable layout quick and easy, the case is equipped with a large junction box that is completely separate from instrument's sensing system.

CAPILLARY TUBE PROTECTION:

-  copper tubing
-  flex galvanized steel + PVC armouring
-  flexible AISI 304 stainless steel armouring

BULB : bronze or stainless steel

TEMPERATURE SENSING SYSTEM : expansion type compensated for ambient temperature changes by means of a built-in compensating device

MECHANICAL PROTECTION DEGREE:
IP 65.

STANDARD MEASURING RANGES:

0/+120°C; 0/+200°C

20/+130°C; 0/+150°C;

20/+140°C; 0/+160°C; 0/+200°C.

COMMUTATION TOLERANCE: 2% of fsv.

COMMUTATION DIFFERENTIAL: 4% of full scale value.

On customer's request the differential can be increased or decreased.

INSULATION: 2000V 50Hz between terminals and earth for a 60secs. time.

MICROSWITCHES MAKING AND BREAKING CAPACITY :								
	STANDARD MICROSWITCHES			HIGH-PERFORMANCE MICROSWITCHES				
VOLTAGE	RESISTIVE LOAD		INDUCTIVE LOAD		RESISTIVE LOAD		INDUCTIVE LOAD	
125 VAC	5	A	5	A	10	A	10	A
250 VAC	5	A	5	A	10	A	10	A
30 VDC	5	A	3	A	10	A	10	A
50 VDC	1	A	1	A	3	A	2,5	A
75 VDC	0,75	A	0,25	A	1	A	0,5	A
125 VDC	0,5	A	0,1	A	0,5	A	0,1	A
250 VDC	0,25	A	0,1	A	0,25	A	0,1	A

Options

ELASTIC SUSPENSION :
it's a vibration damping system able to minimize the effects of a machine vibrations on the instrument.

EARTHQUAKE PROOF VERSION:
equipping the instrument with the elastic suspension and suitable internal components.
