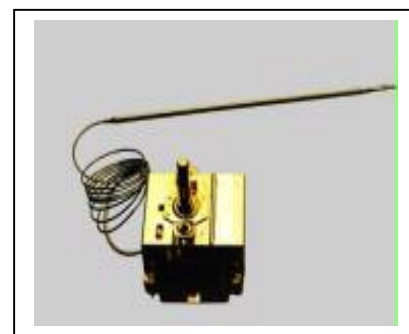


THREE - POLE TEMPERATURE CONTROLLER

Reaching the pre-set temperature the temperature controller automatically breaks the electric circuit, while in case of sinking temperature it closes the circuit so maintaining the temperature of the medium to be controlled – by means of switching the heating on/off – within a certain range constant. The device is primarily applicable for washing machines, industrial-size kitchen stoves, ovens, heat-storing ovens etc. It is suitable for temperature control of both liquid and gaseous or solid media. It can not be applied for direct operation of three-phase electric motors.



Technical data:

Switching capacity (resistive load, $\cos\phi \geq 0,95$)	16A, 400V ~ (NC)
Service life (switching frequency not more than 5/min)	100 000 switching cycles
Shock protection class:	I. (earthed)
Protection:	IP 00
Connection:	A 6,3 terminal clip
Max ambient temperature allowed:	150 °C (with ceramic base-plate)
Max. bulb temperature allowed:	upper switching value + 15%
Air relative humidity:	$\phi = 30 \div 80\%$
Storage temperature range:	+5 \div +50 °C
Shipping temperature range:	-15 \div +55 °C
Construction:	moderate, indoor
Position of use:	optional
Mass:	approx. 100 g

Type number	Range of switch-off temperature setting (°C)	Switching temperature difference ΔT (°C)	Bulb diameter $\varnothing D$ (mm)	Bulb length L_3 (mm)	Capillary Length L_1 (mm)	B
5270-0-006-1	36; 59; 91.5 *	4 \pm 2	outline drawing		570	
5270-0-101-1	50-280 \pm 6	10 \pm 4	4	168	420	25
5270-0-101-2	50-300 \pm 6	10 \pm 4	4	168	920	25
5270-0-101-4	50-300 \pm 6	10 \pm 4	4	168	1500	25
5270-0-104-4	50-190 \pm 6	10 \pm 4	6	95	600	25
5270-0-105-1	50-220 \pm 6	10 \pm 4	6	95	920	16
5270-0-113-1	20-100 \pm 3	4 \pm 2	6	172	920	25
5270-0-114-2	80; 85; 90 *	4 \pm 2	8 (Cu)	89	920 (Cu)	24
5270-0-118-4	50-230 \pm 6	12 \pm 4	3	260	920	24
5270-0-119-3	50-230 \pm 9	12 \pm 4	3	240	920	24
5270-0-120-0	100; 105; 110*	4 \pm 2	8 (Cu)	89	920 (Cu)	24
5270-0-121-0	95; 100; 105 *	4 \pm 2	6 (Cu)	116	550 (Cu)	24

Right of technical alterations preserved

The models - 114 – 2, - 120 – 0 - 121 – 0 are made with stainless steel sensors.

** Set on three different temperature value