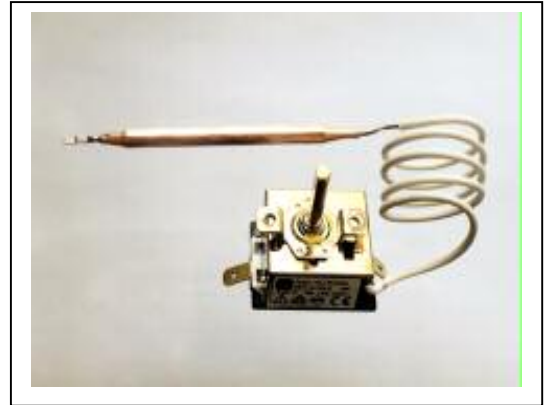


SINGLE-POLE TEMPERATURE CONTROLLER

These controllers are designed primarily for use in hot-water storage boilers, washing machines, electric kitchen – stoves, ovens and other appliances provided with automatic temperature control.

Reaching the pre-set temperature – within the tolerance range – the built-in switch will switch over as the „cutting” contactor pair (NC) breaks and the „closing” contactor pair (NO) opens the circuit. In case of falling temperature below the pre-set value the „NO” contactors open and the „NC” ones close.



The device is suitable for temperature control of all media where proper heat transfer can be provided between the medium and sensing bulb.

Certain marked types can switch inductive loads according to the specified technical data. (e.g. motors, solenoid valves, etc.)

Technical data:

Switching capacity (resistive load, $\cos\phi \geq 0,95$)	16(4) A, 400V ~ (NC) 4(1) A, 400V ~ (NO)
Service life (switching frequency not more than 5/min)	100 000 switching cycles
Drift of the upper switching value after service test:	not more than 10%
Shock protection class:	I. (earthed)
Protection:	IP 00
Connection:	A 6,3 terminal clip
Max ambient temperature allowed:	80 °C (bakelite) 150 °C (ceramics)
Max. bulb temperature allowed:	upper switching value + 15%
Air relative humidity:	$\phi = 30 \div 80\%$
Storage temperature range:	+5 ÷ +50 °C
Shipping temperature range:	-15 ÷ +55 °C
Construction:	normal, indoor
Position of use:	optional
Mass:	approx. 80 g with bakelite base approx. 120 g with ceramic base

Type number	Range of switch-off temperature setting (°C)	Switching temperature difference ΔT (°C)	Bulb size $\varnothing D \times L_3$ (mm)	Capillary size $\varnothing d \times L_1$ (mm)	Protecting sleeve $L_2 \pm 20$ (mm)	A (mm)	B (mm)	Base plate	Circuit diagram
5271-0-103-0	5-80 \pm 3	4 \pm 2	\varnothing 6,5x113	\varnothing 1,4x550	480	16	15,5		I.
5271-0-103-1	5-85 \pm 3	4 \pm 2	\varnothing 6,5x114	\varnothing 1,4x920	830	16	15,5		I.
5271-0-103-2	30-85 \pm 3	4 \pm 2	\varnothing 6,5x114	\varnothing 1,4x550	480	16	15,5		I.
5271-0-103-3	5-54 ⁰ ₋₄	4 \pm 2	\varnothing 6,5x114	\varnothing 1,4x550	480	15,5	15,5		I.

5271-0-103-4	5-85±3	4±2	∅ 6,5x113	∅ 1,4x550	480	16	15,5	bakelite	II.
5271-0-105-0	16-78±3	4±2	∅ 8x90	∅ 1,4x650	40	22,5	22		II.
5271-0-107-0	20-127±3	4±2	∅ 5x132	∅ 1,4x920	250	15	14,5		I.
5271-0-107-2	20-95±4	4±2	∅ 5x132	∅ 1,4x920	840	15,5	15,5		I.
5271-0-107-8	20-110±4	6±2	∅ 5x132	∅ 1,4x920	250	16	15,5		I.
5271-0-121-0	7-77 ⁺⁶ ₀	4±2	∅ 6,5x113	∅ 1,4x550	480	25	20		I.
5271-0-121-1	7-77 ⁺⁶ ₀	4±2	∅ 6,5x113	∅ 1,4x550	480	38,5	25,5		I.
5271-0125-1	30-88±3	4±2	∅23,5x11*	∅ 1x1920	1900	~ 23	23		I.
5271-0-151-0	25-92 ⁰ ₋₆	4±2	∅ 6,5x114	∅ 1,4x550	480	25	20		I.
5271-0-157-1	50-190 ⁰ ₋₁₀	6±2	∅ 4x168 xx	∅ 1x1180	250	25	20		I.
5271-0-166-9	5-35 ⁺⁵ ₀	2 ⁰ ₋₁	∅ 6,5x188	∅ 1,4x920	850	22	22		I.
5271-0-167-0	20-128±4	6±2	∅ 5x132	∅ 1,4x920	250	25	20		I.
5271-0-173-1	5-90±3	4±2	∅ 8x75	∅ 1,4x920	830	22,5	22		II
5271-0-211-0	35-85±3	6±2	∅ 6,5x114	∅ 1,4x920	150	25	20		II.
5271-0-211-8	20-60±3	6±2	∅ 6,5x114	∅ 1,4x550	480	24,5	20		II.
5271-0-215-0	25-145±3	4±2	∅ 5x121	∅ 1,4x550	480	25	20		I.
5271-0-216-0	50-300±10	10±2	∅ 4x114 xx	∅ 1x420	50	25	20		I.
5271-0-310-1	50-320±6	8±2	∅ 3x157 xx	∅ 1x920	40	24,5	20	keramics	I.
5271-0-310-9	50-250±8	10±2	∅ 4x157 xx	∅ 1x920	40	24	20		II.
5271-0-322-9	50-310±6	10±2	∅ 4x157 xx	∅ 1x920	40	24	20		II.
5271-0-324-1	50-275±6	8±2	∅ 4x184 xx	∅ 1x920	40	23	23		I.
5271-0-328-2	50-200±8	10±2	∅ 3x203 xx	∅ 1x920	40	22,5	23,5		I.

* With flanged pot-sensor (stainless steel)

** Stainless steel bulb and capillary

Subject of technical changes without notice