

# SMALL COMPACT THERMOSTAT

## KTO 011 / KTS 011



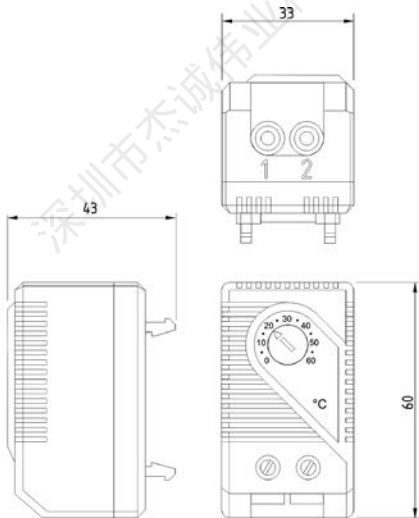
- > Large setting range
- > Small size

- > Simple to mount
- > High switching performance

The mechanical thermostats KTO 011 and KTS 011 are two state regulators used to control heaters, coolers, filter fans or signal devices.

**KTO 011:** Thermostat (NC); contact breaker for regulating heaters. The contact opens when temperature is rising.

**KTS 011:** Thermostat (NO); contact maker for regulating of filter fans and heat exchangers or for switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.

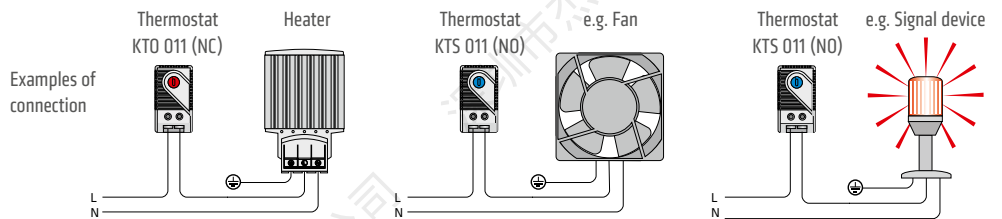
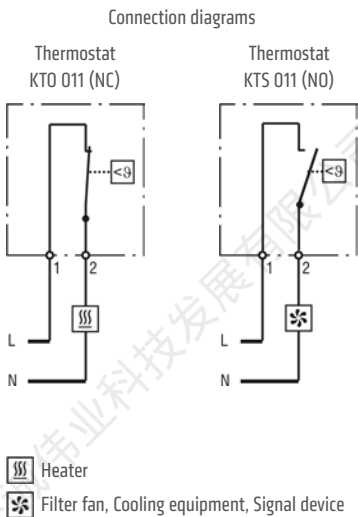


### TECHNICAL DATA

Switch temperature difference	7 K (±4 K tolerance)
Sensor element	thermostatic bimetal
Contact type	snap-action contact
Service life	> 100,000 cycles
Max. operating voltage	AC 250 V (VDE) AC 120 V (UL)
Max. inrush current	AC 16 A for 10 sec.
Connection	2-pole terminal, clamping torque 0.5 Nm max.: rigid wire 2.5 mm <sup>2</sup> (AWG 14) stranded wire <sup>1</sup> 1.5 mm <sup>2</sup> (AWG 16)
Mounting	clip for 35 mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	60 x 33 x 43 mm
Weight	approx. 40 g
Fitting position	variable
Operating/Storage temperature	-45 to +80 °C (-49 to +176 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type	IP20

<sup>1</sup> When connecting with wires, wire end ferrules must be used.

**Important note:** The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.



Setting range	Art. No. Contact breaker (NC)	Art. No. Contact maker (NO)	Switching current/capacity max.			Approvals		
			AC 250 V	AC 120 V	DC 24 - 72 V			
0 to +60 °C	01140.0-00	01141.0-00	10 (2) A	15 (2) A	30 W	VDE	-	EAC
-10 to +50 °C	01142.0-00	01143.0-00	10 (2) A	15 (2) A	30 W	VDE	UL File No. E164102	- EAC
+20 to +80 °C	01159.0-00	01158.0-00	3 (2) A	3 (2) A	30 W	VDE	UL File No. E164102	CSA EAC
+32 to +140 °F	01140.9-00	01141.9-00	10 (2) A	15 (2) A	30 W	VDE	UL File No. E164102	CSA EAC
+14 to +122 °F	01142.9-00	01143.9-00	10 (2) A	15 (2) A	30 W	VDE	UL File No. E164102	CSA EAC
0 to +60 °C	01146.9-00	01147.9-00	10 (2) A	15 (2) A	30 W	VDE	UL File No. E164102	CSA EAC