

Datasheet KTRRN-267.014

Articlenumber: DA460002

Control cabinet thermostats – Heating / Cooling electronic, for the triggering of Peltier elements and fans, 24 VDC

This temperature controller has been specially devised for the triggering of Peltier modules and fans that are usually applied in connection with the conditioning of the air in switch cabinets. The KTRRN is equipped with two control ranges, i.e. one each for the function “heating” and “cooling”. The selection of the “heating” switch point takes place in the lower section of the setting range, while the one of the “cooling” switch point is effected in the upper section of the range. The setting ranges are separated by a span that is equivalent to 10K. A neutral zone of at least 10K is thus created.



Ambient temperature, lower value	-10 °C
Ambient temperature, upper value	55 °C
Average power consumption	1 W
Bearing temperature, lower value	-10 °C
Bearing temperature, upper value	70 °C
Colour	Light grey
Connection cross-section	0,5 mm ² - 2,5 mm ²
Control range, lower value	0 °C
Control range, upper value	50 °C
Cooling control function	Yes
Depth	59 mm
Electric connection	Screw terminals
External setting	Yes
Heating control function	Yes
Height	86 mm

Housing material	Plastic ABS
Maximum air humidity (non-condensing)	95 % r.H
Maximum switching current	16 A
Maximum switching voltage	24 V DC
Medium	Air, not aggressive
Minimum switching voltage	24 V DC
Mounting / attachment	On supporting rails (35 mm), EN 60715
Number of control ranges	1
Number of outputs	2
Operating voltage	24 V DC
Operation	Rotary knob
Output signal	Switching (24 V DC)
Protection class	III
RAL colour number (similar)	7035
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Sensor element	NTC internal, optional NTC external
Surface properties	Matt
Switching contact	Two-way contact
Switching difference	Approx. 1 K
Switching element	Relay
Switching power	3680 W
Type of protection	IP20
Width	36 mm

