

Data Sheet ETR 77.008-5

Article number: D4770014

Universal temperature controller, -50...+50 °C, hysteresis 0.5-5 K, internal setting

Electronic universal temperature controller. Various sensor designs allow universal use in heating, ventilation, air conditioning and refrigeration technology as well as in machine and apparatus construction. The heating status is indicated by a red LED. Sensors are not included in the scope of delivery. The sensor cable can be extended up to 100 m if a cable cross-section of at least 1.5 mm² is used. Universal temperature controller, -50...+50 °C, hysteresis 0.5-5 K, internal setting



Number of outputs	2
Number of control ranges	1
Actual temperature display	No
Output signal	switching
External setting	No
Operation	internal setpoint adjuster
Rated impulse voltage	4000 V
Operating voltage	230 VAC, 50 Hz
Electric connection	screw terminals
Electronic control	Yes

With explosion protection	No
Colour	grey
RAL colour number (similar)	7035
Sensor element	PTC
Suitable as 2-point controller	Yes
Internal setting	Yes
Cable entry	1 x M20x1,5, 1 x M12x1,5
Bearing temperature	-20 ... 50 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	10 (3) A, 5 (1,5) A
Mounting/attachment	wall mounting
Surface finish	matt
Control range	-50 ... 50 °C
Heating control function	Yes
Cooling control function	Yes
Switching difference, can be adjusted	Yes
Switching differential adjustable from to	0.5 ... 5 K
Switching element	relay
Switching contact	two-way contact
Potential free switching contact	Yes

Switching power	2300 W (230 VAC) / 1150 W (230 VAC)
Protection class	IP65
Protection class	II, following appropriate mounting
Sensor type	KTY 81-121 (Sensor 51)
Scale	Degree Celsius
Ambient temperature	-20 ... 50 °C
Degree of contamination	2
Assembly	Controller without sensor
Dimensions (W x H x D)	96 mm x 169 mm x 56 mm

