

Datasheet RTERU-010.715#00

Articlenumber: UN110100

Underfloor temperature controller with remote sensor, flush-mounted, 10-50...°C

This electronic two-point controller has been specially developed for controlling electrical or hot water-based heating/additional heating for underfloor and other surface temperature control systems. Remote sensor HF-8/4-K2 (4m) included in delivery. In the event of a sensor failure and short circuit, the heating is switched off. An approx. 5 K lower temperature can be achieved using the temperature reduction input (night-time reduction). In combination with the corresponding cover set Jz-035.xxx, works with all common switch ranges.



Ambient temperature, lower value	0 °C
Ambient temperature, upper value	35 °C
Assembly	Basic device
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	70 °C
Colour	Top part as cover set, UT anthracite
Control behaviour	2-point
Control range, lower value	10 °C
Control range, upper value	50 °C
Cooling control function	No
Depth	38 mm
Design	Berlin UP
ECO function (reduction)	Yes
ECO input (reduction)	230 V AC, 50 Hz
ECO temperature reduction	Approx. 5 K
Electric connection	Screwed plug-in terminals

Electronic control	Yes
Energy efficiency class	I
External setting	Yes
Heating control function	Yes
Height	69 mm
Housing material	Plastic PA6
Internal setting	No
Maximum air humidity (non-condensing)	95 % r.H
Maximum switching current	10 (1,5) A
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	Yes
Medium	Air, not aggressive
Minimum switching voltage	230 V AC / 50 Hz
Mounting / attachment	Flush mounting (deep socket recommended)
Number of control ranges	1
Number of outputs	1
Number of outputs, heating	1
On / Off switch	Yes
Operating voltage	230 V AC / 50 Hz
Operation	Rotary knob and switches
Output signal	Switching (230 V AC, 50 Hz)
Potential free switching contact	No
Protection class	II, following appropriate mounting
Safety and EMC	In accordance with DIN EN 60730
Scale	Index number scale *...6
Sensor element	NTC external
Sensor external	Yes
Surface properties	Matt or gloss (see cover set)
Switching contact	Normally open contact
Switching difference	1.5 K
Switching difference, can be adjusted	No
Switching element	Relay

Switching power	2300 W
Temperature controller version	Underfloor temperature controller
Type of protection	IP30
Width	69 mm
With explosion protection	No

