

Electronic temperature controller with remote sensor (for floor, wall and ceiling heating systems)

For flush installation – Design Berlin UP



Technical data

Operating voltage:	230 V / 50 Hz
Sensor (self-monitoring):	external or internal + external (monitor)
Switching capacity:	16 (2) A (101.715) bzw. 10 (1,5) A (101.745) / 230 V~
Switching contact:	relay / make contact
Setting ranges:	10 ... 50°C (floor), 5 ... 30°C (room), with mechanical range suppression
Switching difference:	< 1 K
Temperature decrease:	approx. 5 K permanently (connection L1 → ⌚)
Indicators (LEDs):	heating (red) and decrease (green)
Degree of protection:	IP 30
Protection class:	II, after according installation
Admissible air moisture:	max. 95 %, non condensing
Storage temperature:	-20 ... +70°C
Radio interference suppression:	acc. to EN 60730
Ambient temperature:	0 ... 40°C (101.715) or 0 ... 30°C (101.745)
Housing colour:	pure white, similar to RAL 9010 housing cover bright / optional matt #02 cover set RAL 1013 (optional)
Housing material:	polycarbonate (PC)
Sensor breakdown and short-circuit protection:	deactivation of the heating
Sensor extension:	up to 50 m with 0.5 mm ² , with double-insulation only
Mounting / installation:	in Ø 55 mm UP box – can be adapted to almost all currently available flush switch frame systems when using DIN 49075 compliant intermediate frames (current overview available on request)
Weight:	approx. 350 g (incl. sensor (160 g))
Electrical connections:	terminal screws

Application


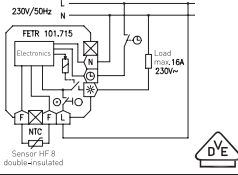

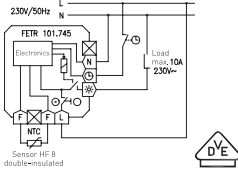
Control of temperatures produced by heating systems, e.g. electrical systems for the heating of floors, fringe zones, bathrooms, ceilings, tiled stoves, marble and/or wall heating systems or tempering systems.

Temperature decrease function: These flush mounted controller models enable to decrease the temperature by 5 K. To do so, an external master controller or an external switch clock needs to be applied that connects the potential L1 to the terminal ⌚.

Regarding clock controlled thermostats for floor heating systems, see page 25.

Regarding temperature controllers for floor heating systems that suit for the installation in distribution switchboards (ITR 79), see page 79.

Note: The sensor line must be laid inside the protecting tube. Parallel laying with power cables is prohibited.

Model / Picture	Item No.	Equipment	Sensor	Circuit diagram	PG
	UA 030110	Floor temperature controller: With remote sensor (4 m, DIN 44574) for floor temperature range 10 ... 50°C (scale: 1 ... 5)	external (sensor HF-8 / 4-K2 included in the scope of the delivery)		A
	UA 030406	Room temperature controller with floor monitor: With internal NTC room sensor, range 5 ... 30°C (scale * 2 3 • 5 6) and remote sensor (4 m, DIN 44574) for the limitation of the floor temperature (internal scale 20 ... 60°C)	internal + external (sensor HF-8 / 4-K2 included in the scope of the delivery)		A
Accessories	Item No.	Equipment		Notes	PG
Cover set, RAL 1013	Set 9 - VV 000012	for FETR 101.715 (consisting of bright housing cover, button, cover screw and, if need be, switch rocker and optical wageguide)		For conversion to colour RAL 1013 (cream white, electrowhite, pearl white)	M
Frame set, RAL 1013	Set 7 - VV 000010	for all models of the FTR, FETR, FDTR-U series		For controllers provided for individual flush installation in RAL 1013, germane to all switch ranges in the same colour.	M