

Electronic floor and surface temperature controllers with remote sensor (for floor, wall and ceiling heating systems and tiled stoves) HTRRB

For surface-mounted installation – Design Berlin 2000



Technical data

Operating voltage:	230 V~, 50 Hz
Sensor (self-monitoring):	remote sensor–included in the scope of the delivery
Switching capacity:	13 (2) A, 230 V~
Switching contact:	relay (make contact) not potentialfree (heating)
Switch:	ON/OFF (without frost protection)
Setting ranges:	see “Equipment”
Switching difference:	approx. 1 K
Degree of protection:	IP 30
Protection class:	II, after according installation
General equipment:	mechanical range reduction
Admissible air moisture:	max. 95 %, non condensing
Storage temperature:	-20 ... +70 °C
Safety and EMC:	acc. to DIN EN 60730
Ambient temperature:	0 ... 30 °C
Housing colour:	pure white, similar to RAL 9010
Housing material:	plastic (ABS)
Sensor breakdown and short-circuit protection:	deactivation of the heating
Mounting / installation:	surface- / wall-mounted installation
Weight:	approx. 350 g (incl. sensor 160 g)
Electrical connections:	terminal screws


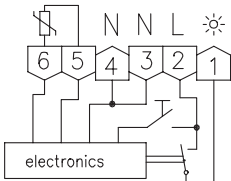


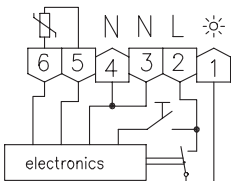
Application

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.

Thermostats with timers for floor heating systems, see page 26.




Regarding temperature controllers for floor heating systems that suit for the installation in distribution switchboards (ITR 79), see page 112.

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
	DA 400000	Floor temperature controller: with 4m remote sensor (DIN44574) Setting range 10 ... 60 °C (scale “1 ... 6”), red LED “heating”	external (sensor HF-8/4-K2 included in the scope of the delivery)		I
	DA 400003	Floor temperature controller: As HTRRB-011.010 but with setting range 10 ... 42 °C (scale “1 ... 4”), red LED “heating”			I
	DA 400100	Tiled stove surface temperature controller: with 4m remote sensor Setting range 20 ... 80 °C (scale in °C), red LED “heating”	external (sensor HF-5/4-K3 included in the scope of the delivery)		I

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Accessories	Item No.	Equipment	PG
HF-8/4-K2 	G 8000370	Spare sensor for HTRRB 011.010 and HTRRB-010.310 incl. 4 m cable, (sensor acc. to DIN 44574), Ø 7.7 mm	II
HF-8/6-K2	G 8000368	Spare sensor for HTRRB 011.010 and HTRRB-010.310 incl. 6 m cable (sensor acc. to DIN 44574) Ø 7.7 mm	II
HF-5/4-K3 	D 4771304	Spare sensor for HTRRB 011.410 incl. 4 m silicone cable, Ø 8.9 mm	III
THF 	C 1809515	Sleeve (inside Ø 8 mm) for the protection of the sensor when installing it into floor pavements (for HF-8/4-K2 and HF-8/6-K2)	II
WP-01	G 9990180	Heat conduction paste (2 ml), silicone-free, Temperature range: -40... +150°C, Thermal conductivity: > 0.7 W/mK	II

