Radio control - TRANSMITTERS

Radio room temperature sensor – Design BERLIN

NEW

Technical Data	
Operating voltage:	batteries, 2 x Micro AAA, 1,5 V / 1,000 mAh Batterien
Setting ranges:	5…30°C
Sensor:	NTC (internal)
Temperature decrease:	FTRFBu… (clock): adjustable FTRFB…: 4 K (fixly adjusted), or can, if used along with model FTRFBu (master function) be set to the decrease temperature adjusted at the radio-controlled time-switch clock.
Transmit frequency:	868.3 MHz
Radio transmission range:	within the line of sight (150 m), approx. 30 m inside of buildings (min. 1 ferro-concrete ceiling / -wall or 3 brick walls)
Range suppression:	mechanical (facility underneath of the adjusting knob)
LEDs:	for “learn” mode and battery empty indication
Degree of protection:	IP 30
Protection class:	III
Equipment:	range suppression, tabletop stand integrated in all housings of the Berlin 2000 design line
Admissible air moisture:	max. 95 % r.h., non condensing
Storage temperature:	device: –20…+70°C, batteries: 20°C
Regulations and tests:	acc. to EN 300 220
Ambient temperature:	–10…+50°C
Housing colour:	pure white, similar to RAL 9010
Housing material:	plastic (ABS)
Mounting / installation:	directly on the surface / wall by means of screws or adhesive strips. Berlin 3000 design housing also available with wall suspension element JZ-18 (see “Accessories”)

Application

Radio room temperature sensor for the acquisition of temperatures in living spaces, offices and hotel rooms that are subject to normal pollution. The devices are, if used in association with alre radio receivers, specially suited for the control of temperatures in individual rooms. The devices are particularly qualified for application cases in the building reconstruction sphere or wherever heating systems are to be extended.

Their application helps to avoid expensive cutting up and/or plaster works for the laying of electric cables. The devices are particularly suited for use within office storeys or floors where flexibility with regard to the interior design is in the fore.

Berlin 3000 design housing
Programming mode known from mechanical switch clocks: programming enabled for each day individually by means of so-called “electronic stops”. Lowest switching time: 15 min.

Other radio transmitter variants are currently in the design stage or are available on request.

Picture	Model / ItemNo.	Application	PG
	**FTRFB-280.119** BA 010409	Sensor for the acquisition of inroom temperatures and for the radio transmission of the sensed data to the controller (receiver) – **with reference setter** and super flat Berlin 1000 design housing.	A
	**FTRFB-080.119** BA 010101	Sensor for the acquisition of inroom temperatures and for the radio transmission of the sensed data to the controller (receiver) – **with reference setter** and Berlin 2000 design housing.	A
	**FTRFB-080.120** BA 010102	Sensor for the acquisition of inroom temperatures and for the radio transmission of the sensed data to the controller (radio receiver) – **with reference setter** and operating mode selector switch ”Comfort / ECO” including Berlin 2000 design housing.	A
	**FTRFB-080.101** BA 010100	Sensor for the acquisition of inroom temperatures and for the radio transmission of the sensed data to the controller (receiver) – **without reference setter** for averaging purposes. Housing design: Berlin 2000.	A
	**FTRFBu-180.117** BA 010200	Sensor for the acquisition of inroom temperatures and for the radio transmission of the sensed data to the controller (receiver) including clock. Simplest operation through direct select keys for ON / OFF, party mode setting and the setting of the desired operating mode and for the calling of information pertaining to all actual settings. Temperature setting knob with °C scale. Indication of temperature / time in °C or °F (Fahrenheit), summer- / winter time changeover, child protection, valve protection and self-learning mode (can be deactivated), Berlin 3000 design housing, suited as master for master-slave operation.	A
	**FTRFBu-180.121** BA 010201	Identical with FTRFBu-180.117, but with backlight (third separate battery required for backlighting only – advantage: the control function is maintained even if the battery used for backlighting is exhausted)	A