





Radio control – RECEIVERS

Radio temperature controllers



Technical Data	Application
<p>Operating voltage: 230 V~ / 50 Hz</p> <p>Switching difference: approx. 0.5 K (room temperature)</p> <p>Transmit frequency: 868.3 MHz</p> <p>Antenna: Coaxial type, integrated in the heating circuit distributor strips. Can, if need be, also be led through the strip and the distributor for separate installation (underneath of the wallpaper f. ex., Ø of antenna: 1.1 mm)</p> <p>(4- / 8-channel)</p> <p>Indications: Three-colour LED indicator. With devices with several receive channels there exists one indicator LED each per channel (indication of the "learning" mode, of the correct functioning of the of the radio connection and indication of a radio link loss). In addition, the associated channel(s) can, subject to the existence of an established radio connection, be indicated in retrospect by actuating the "learn" key at the transmitter.</p> <p>Protection class: see "Equipment"</p> <p>Admissible air moisture: 95 % r. H., non condensing</p> <p>Storage temperature: -20 ... +70°C</p> <p>Housing material: see "Equipment"</p> <p>Electrical connections: 0.5 ... 2.5 mm²</p> <p>Emergency operation: All receivers change, in the event of a radio link loss, over to emergency mode operation (40 %)</p>	<p>These radio heating controllers enable, if used in association with alre radio temperature sensors, to realise 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.</p> <p>Battery change: The requirement of a soon battery change is indicated by a red LED on the transmitter that starts flashing. The required change is beyond that also indicated on the display of the radio-controlled time switch at an already early stage.</p> <p>The restoration of the radio link between the transmitter and the receiver is, in the event a voltage loss occurred at the receiver or the transmitter, effected all automatically after the restoration of the power supply.</p> <p>Other radio receiver variants are currently in the design stage or are available on request.</p>

Picture	Model / Item No.	Equipment	PG
	HTFRA-010.101 BA 110300	1-channel radio temperature controller with Schuko adapter plug, make contact 13.5 (3) A for loads of up to 3000 W; application purpose: heating; ambient temperature 0 ... 40°C; degree of protection IP 30; protection class II (for protection class I and II compliant consumers); housing: polycarbonate (PC), pure white, similar to RAL 9010.	A
	HTFRB-010.101 BA 110500	1-channel radio temperature controller for surface installation / wall mounting integrated in Berlin 2000 design housing; make contact 13.5 (3) A for loads of up to 3000 W; application: heating, ambient temperature 0 ... 40°C, degree of protection: IP 30; protection class II (for protection class I and II compliant consumers); housing: plastic (ABS), pure white, similar to RAL 9010.	A
	HTFRD-214.140 BA 120600	4-channel radio temperature controller for installation in the heating circuit distribution cabinet; application purpose: heating; 4 relay contacts (make contact) 5 (1) A; max. 4 actuating drives per heating circuit can be connected directly (max. 16 actuating drives in total), including pump module; ambient temperature 0 ... 70°C; degree of protection: IP 65 ; protection class II (for protection class I and II compliant consumers); housing: plastic, light grey (RAL 7035); functions: max. 4 time zones possible (i.e. up to 4 clock equipped transmitters can be connected); master-slave operation; emergency mode operation; averaging (up to 8 transmitters can be "learned" per channel + 1 transmitter for master-slave operation); radio link status indication for each channel. The top of the device can, in order to enable the "learning" of the radio transmitters mounted in the different rooms, be removed. The power supply is, during this time, ensured by means of a 9 V block battery. The "learning" of the individual transmitters can be realised very easily through the channel selection option in combination with the related "learn" key. Fixing: 4 screws for wall mounting are included in the standard delivery scope – optionally, there is a magnet fixing set (JZ-24) available that facilitates the installation of the device inside the heating circuit distribution cabinet.	A
	HTFRD-316.125 BA 120400	8-channel radio temperature controller for installation inside the heating circuit distribution cabinet; application purpose: heating; 8 relay contacts (make contact) 5 (1) A, max. 4 actuating drives per heating circuit can be connected directly (max. 32 actuating drives in total), including pump module; ambient temperature 0 ... 70°C; degree of protection: IP 65 ; protection class II (for protection class I and II compliant consumers); housing: plastic, light grey (RAL 7035); functions: max. 8 time zones possible (i.e. up to 8 clock equipped transmitters can be connected); master-slave operation; emergency mode operation; averaging (up to eight 8 transmitters can be "learned" per channel + 1 transmitter for master-slave operation); radio link status indication for each channel. The top of the device can, in order to enable the "learning" of the radio transmitters mounted in the different rooms, be removed. The power supply is, during this time, ensured by means of a 9 V block battery. The "learning" of the individual transmitters can be realised very easily through the channel selection option in combination with the related "learn" key. Fixing: 4 screws for wall mounting are included in the standard delivery scope – optionally, there is a magnet fixing set (JZ-24) available that facilitates the installation of the device inside the heating circuit distribution cabinet.	A