

The alre logo is displayed in a bold, orange, lowercase sans-serif font in the upper right corner of the advertisement.

Radio-controlled regulation

The radio-controlled temperature regulation of domestic heating systems is ideally suited for both new build and renovation projects. It also offers increased freedom when designing the layout of your building and helps deliver cost savings.



Radio controllers

*Intelligent solutions
for all living spaces*



alre – Innovation combined
with skill and tradition

alre – Sophisticated design

Radio-controlled transmitters

for "superflat" surface-mounted installation – Design Berlin 1000



Technical data

Operating voltage:	batteries, 2 x Micro AAA, 1.5 V / 1,000 mAh
Type:	several different versions (Pictured: FTRFB-280.119)
Indicators (LEDs):	for "learn" mode and battery empty indication
Equipment:	mechanical range suppression, temperature decrease (4 K fixed), without reference temperature setting for averaging or central control, "Comfort / ECO" switch
Application:	Radio-controlled room thermostat for recording and setting temperatures in home, office and hotel rooms with normal levels of cleanliness. Can be used with alre radio-controlled "heating / cooling" receiver strips to achieve single-room temperature control for heating and / or cooling

For surface-mounted installation – Design Berlin 2000



Technical data

Operating voltage:	batteries, 2 x Micro AAA, 1.5 V / 1,000 mAh
Type:	several different versions (Pictured: FTRFB-280.120)
Indicators (LEDs):	for "learn" mode and battery empty indication
Equipment:	mechanical range suppression, temperature decrease (4 K fixed), without reference temperature setting for averaging or central control, "Comfort / ECO" switch
Application:	Radio-controlled room thermostat for recording and setting temperatures in home, office and hotel rooms with normal levels of cleanliness. Can be used with alre radio-controlled "heating / cooling" receiver strips to achieve single-room temperature control for heating and / or cooling

Radio-controlled ECO contact

For surface-mounted installation – Design Berlin 2000



Technical data

Operating voltage:	batteries, 2 x Micro AAA, 1.5 V / 1,000 mAh
Type:	FKRFB-080.151
Indicators (LEDs):	for "learn" mode and battery empty indication
Equipment:	external contact switchable NO / NC, setting ranges ECO-Temperatur 5 ... 20 °C absolute or -3 ... -15 K relativ (Internal setting)
Application:	Radio-controlled ECO contact for switching an alre radio-controlled system between ECO and Comfort modes via telephone contact or window contact



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Radio-controlled transmitter with time

For surface-mounted installation – Design Berlin UP



Technical data

Operating voltage:	230 V ~, 50 Hz
Type:	several different versions (pictured: FTRCUd-210.021#21)
Indicators (LEDs):	illuminated, graphics-capable display
Equipment:	holiday and party functions, selectable "Heating", "Cooling", or "Heating and Cooling", separate timer programme for cooling function, valve protection function, correction of measured values, power reserve, 8 different languages, selection of display content, key lock, master for master-slave operation
Application:	Radio-controlled room temperature sensor for measuring temperature in home, office and hotel spaces with normal levels of cleanliness. Matches all current switch ranges. Can be used with alre "heating / cooling" radio-controlled multi-channel receivers to achieve single-room temperature control for heating and / or cooling.

For surface-mounted installation – Design Berlin 3000



Technical data

Operating voltage:	batteries, 2 x Micro AAA, 1.5 V / 1,000 mAh
Type:	FTRFBu-180.121 (Pict.) / FTRFBu-180.117
Indicators (LEDs):	LC display, learn mode / battery empty indicator (LED)
Equipment:	mechanical range suppression, direct dial "ON / OFF" buttons, holiday setting, party setting, operating mode and information retrieval for displaying all settings. Selectable "Heating", "Cooling" or "Heating and Cooling" modes, separate timer programme for cooling function, temperature setting dial with °C scale. Temperature / time display, automatic switching between summer / winter mode, child lock, valve protection and self-learning function (can be activated for "Heating"), "Berlin 3000" housing, master for master-slave mode, backlit (FTRFBu-180.121)
Application:	Radio-controlled room thermostat for recording and setting temperatures in home, office and hotel rooms with normal levels of cleanliness. Can be used with alre radio-controlled "heating / cooling" receiver strips to achieve single-room temperature control for heating and / or cooling

Radio repeater



Technical data

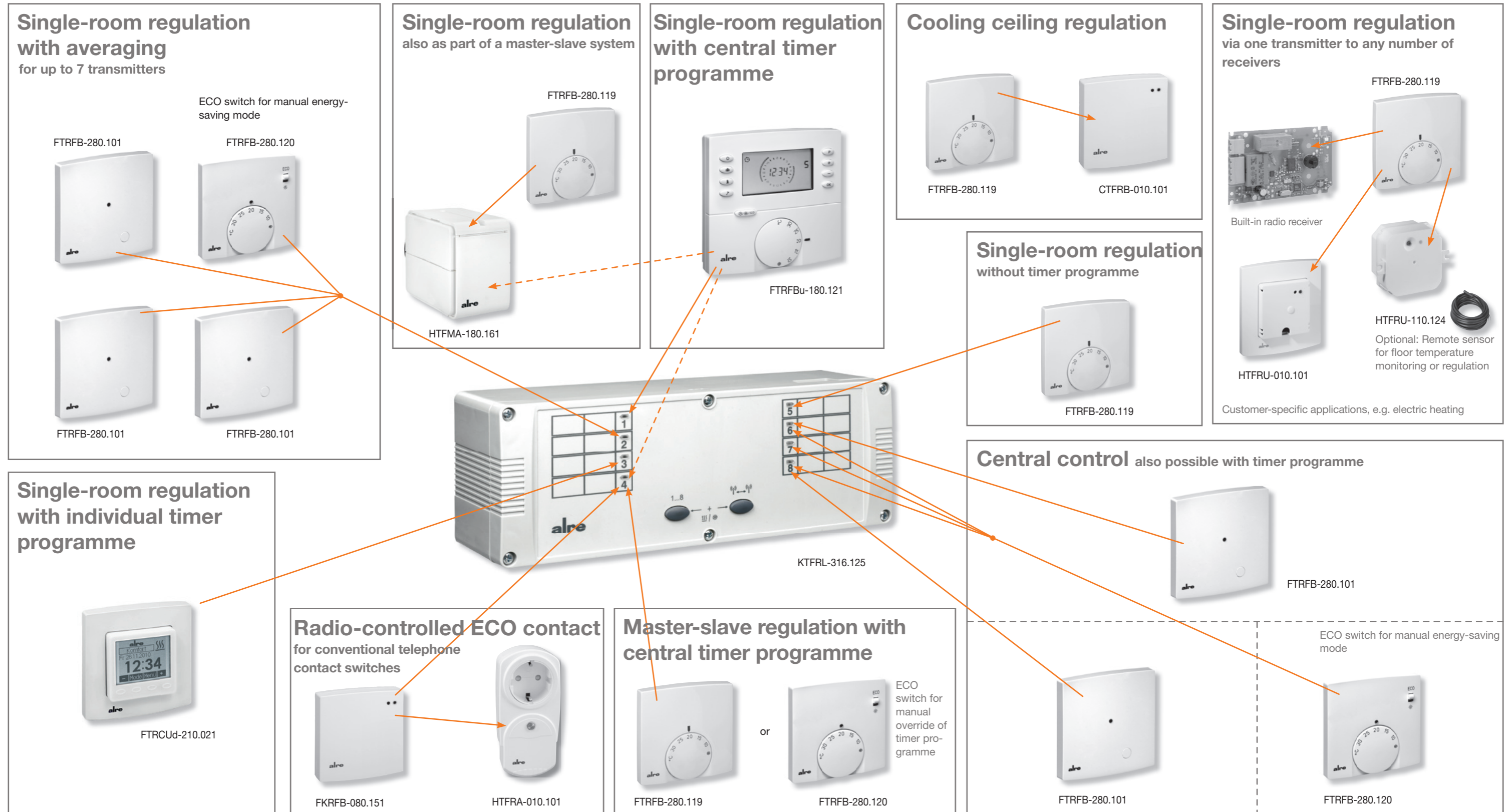
Operating voltage:	230 V ~, 50 Hz
Type:	MRCOA-064.201
Indicators (LEDs):	"learn" mode
Equipment:	Schuko socket adapter housing – socket can be used up to 13 (3) A
Application:	Range extension between transmitters and receivers in an alre radio system, no installation required and simple operation from any socket

Examples of different types and combinations of radio-controlled regulation

- The radio transmitters automatically “learn” the type of regulation required (individual room, average temperature, master-slave system or a combination of these).
- Each appliance has its own unique address. No confusion or influence from neighbouring control systems. If more than 8 channels are required, transmitters can be “taught” to work in conjunction with several radio-controlled strips (for example, in a master-slave system).
- Loss of connectivity automatically activates emergency mode, meaning that temperature regulation is not interrupted and reliability of connection in the 868 MHz waveband is guaranteed.



- The multi-channel receiver's removable control panel makes it easy to “teach” it the locations of all the transmitters.
- The clock transmitter as master offers additional convenience with holiday function, party function, on/off function, self-learning function, “Comfort/Eco/Automatic” mode switch, valve and pump protection, child lock, automatic switching between summer/winter time, display setting and much more.
- Easy programming with “electronic switch tappets”.



alre – Intelligent solutions for radio-controlled regulation

Radio-controlled receivers

Radio-controlled room temperature regulator – Design Berlin 2000



Technical data

Operating voltage:	230 V ~, 50 Hz
Switching capacity:	NO contact 13 (3) A for up to 3,000 W (heating), NO contact 10 (2) A for up to 2,300 W (cooling)
Type:	Heating: HTFRB-010.101, Cooler: CTFRB-010.101
Equipment:	2-colour LED
Application:	Single-channel radio-controlled heating or cooling regulators (receivers) for surface-mounted installation / wall mounting, which can be used in conjunction with alre radio-controlled room temperature transmitters to regulate the temperature in an individual room. Application mainly in renovation projects or enhancements to existing heating systems (e.g. warm water floor heating, single channel or electric storage heating or marble heating, etc.), with central control

Radio-controlled actuator for radiator valves



Technical data

Operating voltage:	2 x AA, 1.5 V / 2,300 mAh batteries
Type:	HTFMA-180.161
Equipment:	2-colour LED, M 30 x 1.5 connector (adapters available for many valve types), actuating force max. 100 N (depending on valve), low-noise, automatic valve protection, IP40 protection rating
Application:	1-channel radio-controlled actuator for radiator valves, screw adapter for easy installation and simple operation

Radio-controlled multi-channel room temperature regulator



Technical data

Operating voltage:	230 V ~ / 50 Hz
Switching capacity:	4 or 8 relay contacts NO 5 (1) A, up to 4 actuators can be directly connected per channel (a total of up to 16 or 32 actuators), including pump module (180 VA)
Type:	several different versions (Pictured: KTFRL-214.140)
Equipment:	IP20 or IP65, one 3-colour LED or 4-colour LED per reception channel, integrated antenna (external housing antenna with 1.0 m cable can be supplied – suitable for feed-out from distribution box if necessary)
Application:	4-channel or 8-channel radio-controlled temperature regulators (receivers) for installation in a heating circuit distributor, applications: Heating (HTFRx-xxx.xxx) or Heating / Cooling (KTFRx-xxx.xxx), master-slave operation, emergency mode, averaging (can recognise up to 8 transmitters per channel + 1 transmitter for master-slave operation), central control (KTFRx)



Radio-controlled receivers

Radio-controlled room temperature regulator – flush-mounted



Technical data

Operating voltage:	230 V~, 50 Hz
Switching capacity:	up to 30 °C ambient temperature: max. 2,300 W (max. 10 A)
Type:	HTFRU-110.124
Equipment:	2-colour LED
Application:	Single-channel radio-controlled temperature regulators (receivers) for flush installation in a distribution box. Can be used in conjunction with a radio-controlled room temperature sensor with reference temperature setting to control an (electric) floor heating system. An external floor sensor can optionally be connected, with the following possible modes: floor temperature control or room temperature control with floor monitoring and direct or central reference temperature setting (central control). Can be used without remote sensor as room temperature controller with direct or central reference temperature setting (central control).

Radio-controlled room temperature regulator – Design Berlin UP



Technical data

Operating voltage:	230 V~, 50 Hz
Switching capacity:	up to 30 °C ambient temperature: max. 2,500 W (max. 11 A), from 30 °C ambient temperature: max. 1,700 W (max. 7.5 A)
Type:	HTFRU-010.101
Equipment:	2-colour LED
Application:	Single-channel radio-controlled temperature regulators (receivers) for flush installation with 50 x 50 cover, "Berlin" frame and central control

Radio-controlled room temperature controller with Schuko adapter



Technical data

Operating voltage:	230 V~, 50 Hz
Switching capacity:	NO contact 13 (3) A for up to 3,000 W (heating)
Type:	HTFRA-010.101
Equipment:	2-colour LED
Application:	1-channel radio-controlled temperature controller (receiver) with Schuko adapter designed especially for mobile radiators



Information on technical data

The technical data we have cited is tested under laboratory conditions and in accordance with generally applicable test standards, in particular DIN standards. Individual properties are only assured to this extent. Testing of suitability for applications planned by the client, for example use under certain conditions, is at the client's discretion. We do not accept any liability for this.

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