

QUICK GUIDE



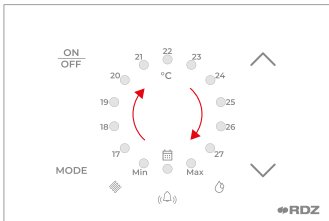
The CORE T sensor is a device that monitors the ambient temperature.

The CORE TH sensor is a device that monitors room temperature and humidity.

Model	Size (wxhxd)	Code
CORE T	120x80x8 mm	6600151
CORE TH		6600152

The device can directly manage the temperature request on radiant systems and, in the case of connection to an air handling unit, also the request for dehumidification and thermal integration.

STARTING THE DEVICE



INITIAL PHASE

During device start-up (after it has been switched on or reset) a Bus connection test is performed. The test is notified by the display of a rotating LED effect and a sequence of flashes, the connection is notified by a flashing circular effect. During this period the touch response is disabled. At the end of the sequence the device is ready for use by the user.

INTERACTION WITH DEVICE

When the user's presence is detected, e.g. by approaching the device with the hand, the device is activated to display the operating mode and the respective set points. By pressing the 4 side touch key it is possible to interact to set the desired parameters.

STAND-BY MODE

After a few seconds of inactivity, the device enters in power-saving mode and deactivates all LEDs.

MODES OF OPERATION

The operating mode is established by the status of the various LEDs (on-off or flashing) on the device in correspondence with the keys.

Mode	Description	Key and LED
OFF	In OFF mode, all functions are inhibited except the antifreeze function, which remains active. The OFF state is indicated with the central LED of the ON-OFF button "on". When the device is reactivated by the user the temperature detected in the room will be displayed, after 10 seconds of inactivity it will return to the stand-by mode.	
ON	In ON mode, temperature management will be based on the temperature set point set by the user. The ON state is active when the central LED of the ON-OFF button is "off". When the device is reactivated, the set temperature and season will be displayed (for 3 seconds), and thereafter the measured room temperature and any active command are displayed. After 60 seconds of inactivity it will return to the stand-by mode.	
AWAY HOME / PROGRAM	In this mode, temperature management depends on the presence/absence of a time schedule ("Schedule" available with Core Connect App). If there is no programming (or if it is present but outside the programming band) temperature management will be based on the set point set for the "Away Home" mode, otherwise it will be based on the set point set by the user for that programming band. When the sensor is activated by pressing any key, the "Away Home" temperature set point and the set season will be displayed for a few seconds, and thereafter the temperature detected in the room and any calls will be displayed. After 60 seconds of inactivity it will return to the stand-by mode.	

SETTING OPERATIVE MODES AND CHANGES OF SETS

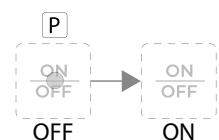
T Short Press (TOUCH) **P** Long Press (3 sec.)

Led Flash LED Steady LED Flashing

Power ON / Power OFF

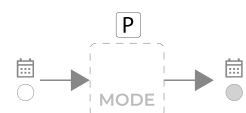
A long pressure (3 sec.) of the ON-OFF button enables/disables the device operation.

Activation/deactivation is notified visually by the temporary switching on of the side LED and by the emission one beep (ON) or two beeps (OFF) (with buzzer active).





AWAY HOME/ PROGRAM

With the device in ON state and by pressing the MODE button for 3 seconds (Long Press) it is possible to enable/disable the Away Home mode. Activation is notified visually by the lighting of the 'calendar' LED and by the emission of a beep (with buzzer active).

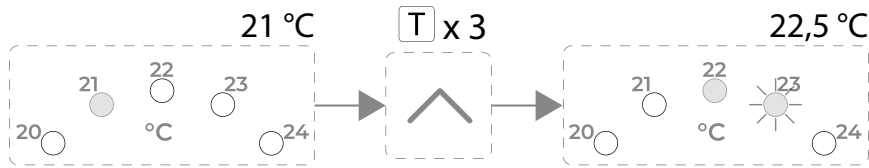


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CHANGING THE SET TEMPERATURE

It is possible to change the temperature set point for the respective operating mode (ON/AWAY HOME) by pressing the UP/DOWN buttons on the device. Short presses **T** change the temperature in 0.5° C steps, while prolonged **P** pressure change the temperature in 1° C steps. The value of 0.5° C is indicated by the flashing LED  on the next/previous temperature value to the fixed LED .

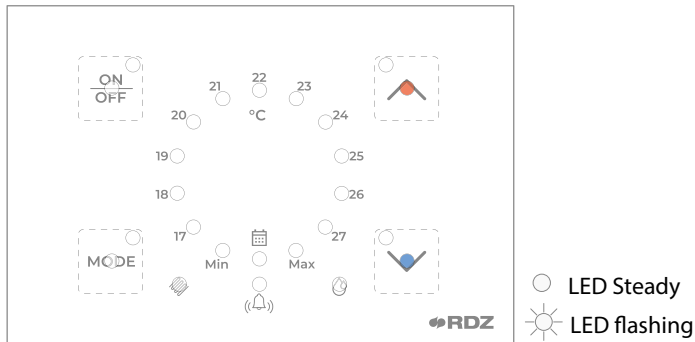
EXAMPLE:



TEMPORARY MANUAL SET

When the sensor is set in PROGRAMMING mode (with CoRe Connect App), by pressing one of the arrows (up or down) it is possible to set a different temperature set value than the one currently being programmed. This mode is temporary and the set will remain active for an interval of 90 minutes (settable value). Operation in this mode is signalled by the flashing of MODE button. At the end of the interval, the programming mode set will be restored and the MODE button will be switched off.

LED DESCRIPTION



STAND-BY MODE

After a few seconds of inactivity, the device enters power-saving mode and deactivates all LEDs.

LED Position	Description
	These LEDs light up to confirm key presses.
	Indicates Operating Mode OFF
	Indicates that the device is in AWAY HOME mode (LED flashing)
	Indicates that the device is in STAND ALONE (no bus connection)
	Indicates that the device is in TEMPORARY MANUAL
	Indicates that the radiant temperature request is activated
	Indicates that the PROGRAMMING mode (bus) is active
	Indicates that the dehumidification request is activated

LED Position	Description
	When the device is reactivated, the set temperature set is displayed first with a flashing LED, followed by the temperature measured in the room.
	Indicates request for winter thermal integration (if in bus mode)
	Indicates that the winter season is set, flashes for a few seconds during device reactivation
	Indicates a request for summer thermal integration (if in bus mode)
	Indicates request for summer thermal integration (if in bus mode)
	DEW POINT (3 flashes): Should the detected dew point exceed a safety threshold, this function allows you to interrupt the circulation of chilled water in the summer season.

ALARMS

In all modes, when an alarm condition occurs on the device, a visual indication is given by switching on the alarm LED according to the following coding:

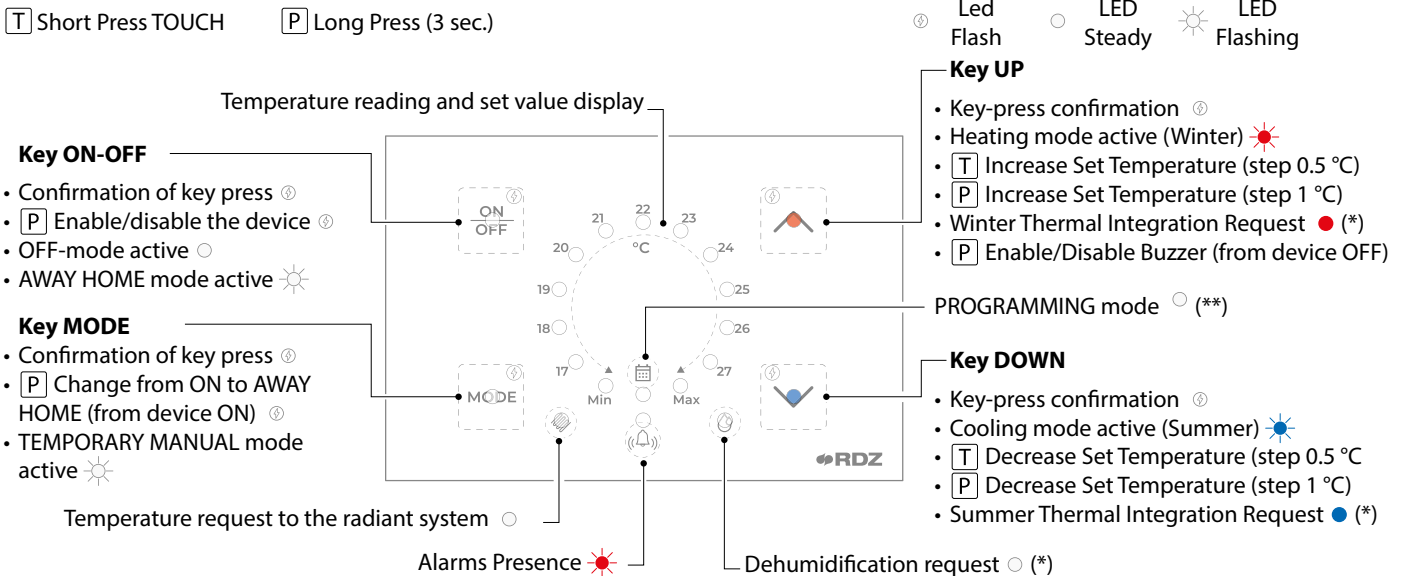
LED	Light type	Alarm Description
	1 Flash	Damage temperature sensor
	2 Flashes	Damage humidity sensor
	3 Flashes	Dew point alarm
	4 Flashes	Antifreeze alarm

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TOUCH SCREEN KEY FUNCTIONS

key	Press	Action
	Long Press (3 sec.)	Enables/disables device operation. Activation/deactivation is notified visually by the temporary switching on of the LED on the side of the button and in audible mode (with buzzer active) by one Beep (ON) or two Beeps (OFF).
	Long Press (3 sec.)	Prolonged pressure on the button allows the operating mode to be changed from ON to OFF or vice versa. Confirmation is notified visually with the button's side LED lighting up and audibly with a Beep (with buzzer active).
	Short press	With the device reactivated and in stand-by: - the first short press enters set temperature mode; - subsequent short presses increase the set temperature by 0.5 °C.
	Long Press	During the set temperature phase: - each press increases the set temperature by 1 °C.
	Long Press	From OFF mode: - a long press for 3 sec. enables/disables the buzzer; the activation/deactivation of the buzzer is notified visually with the illumination of the LED on the side of the button and audibly with a Beep (Power On) or 2 Beeps (Power Off).
	Short press	With the device reactivated and in stand-by: - the first short press enters set temperature mode; - subsequent short presses decrease the set temperature by 0.5 °C.
	Long Press	During the temperature set point phase: - each press decreases the set temperature by 1 °C.

GENERAL SUMMARY



(*) Function only available on CORE TH

(**) Available with Core Connect APP

This document may be subject to change. Through the QR-Code you can check the latest available update. Manual changes are prohibited.



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