



# Dantherm DRC1 Wireless Remote Controller Instructions

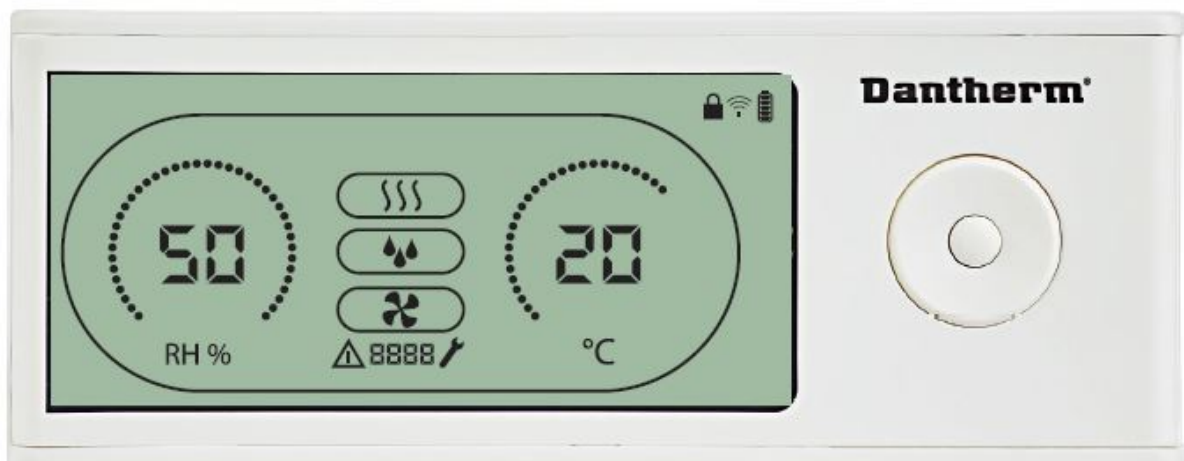
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# Dantherm<sup>®</sup>

## Dantherm DRC1 Wireless Remote Controller



## Product Information

The DRC1 is a wireless remote control panel designed for use with a Dantherm dehumidifier range CDP/CDP-T/CDF 40-50-70. It allows users to control their dehumidifier from up to 50 meters away, depending on conditions. The remote panel features a humidity scale, humidity display, heating controls, temperature display, extractor fan controls, and more.

## Usage Instructions

1. Insert batteries into the DRC1. If the display does not flash, press the left button for 10 seconds and wait until the display starts to flash.
2. The DRC1 will search for the dehumidifier for 2 minutes. During this time, mating can be done by pressing the up and down buttons on the CDP at the same time for 5 seconds. Note: this must be done while the DRC1 is searching for the dehumidifier.
3. If the above procedure does not work, switch off the dehumidifier and wait for 5 seconds before switching it on again.
4. The dehumidifier will send a serial number to the DRC1 when mating is successful. The radio icon will turn on and the dehumidifier will confirm the connection by showing code Conn for 3 seconds.
5. Use the Up and Down buttons to navigate between icons and the Left and Right buttons to change set points value. Press Enter to confirm the new set point value and automatically switch to next icon or exit the menu. Press and hold Right for 5 seconds to enter the installer menu setup (exit the setup menu first).

## Overview

### Warning

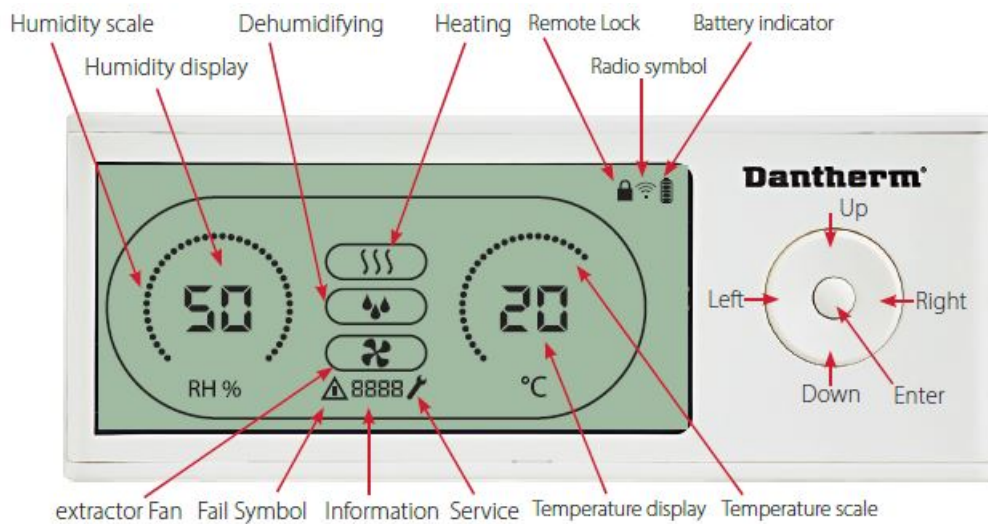
It is the responsibility of the operator to read and understand this service manual and other information provided and to use the correct operating procedure.

Read the entire manual before using the control panel. It is important to know the correct operating procedures for the unit and all safety precautions to prevent the possibility of property damage and/or personal injury.

## Product description

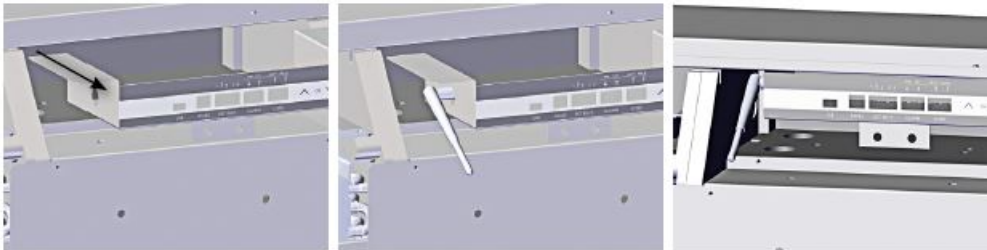
- The DRC1 is a wireless remote control panel for use with Dantherm dehumidifier range CDP/CDP-T /CDF 40-50-70.
- In this manual you will learn how to use the DRC1 remote control panel to control your dehumidifier.
- The range of DRC1 is up to 50 meters depending on conditions.

## Remote panel Layout



Humidity and Temperature scale. Temperature scale from 0° till 40°C. Humidity scale from 0 to 99 % RH

## Antennae



## USB cable

- The USB cable is for updating software.
- It can also be used as external power supply.

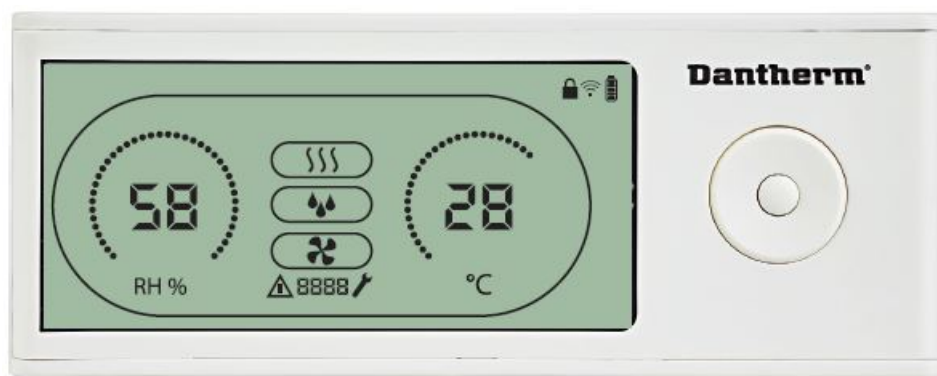


## Mating

### Mating Mode

- Before use, the DRC1 must be mated with the CDP unit.
- This section describes how to mate the DRC1 with the dehumidifier.

## Mating



## Procedure

1. Insert batteries > Display flashes (if it does not flash, press the left button for 10 seconds and wait until the display starts to flash)

The DRC1 will search for the dehumidifier for 2 minutes, during which time mating can be done:

- Press the up and down buttons on the CDP at the same time for 5 seconds

**Note:** this must be done while the DRC1 is searching for the dehumidifier.



### If this procedure does not work:

Switch off the dehumidifier and wait for 5 seconds and then switch it on again.

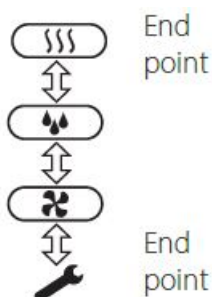
2. The dehumidifier will send a serial number to the DRC1. When mating is successful, the radio icon comes on.



3. The dehumidifier will confirm the connection by showing code "Conn" for 3 seconds. More than one remote control panel can be connected to the dehumidifier.

Conn

## Navigation




- ENTER Press and hold for 3 seconds to enter the user menu setup
- UP and DOWN buttons to navigate between icons.
- LEFT and RIGHT buttons allow to change set points value 1press = 1unit
- ENTER confirms the new set point value and automatically switches to the next icon/or exits the menu
- Press and hold RIGHT for 5 seconds to enter the installer menu setup. ( Exit setup menu first)

- When no button is pressed for 10 sec, the DRC1 exits the menu and returns to the readings screen

## Failed mating



Press and hold for 10 seconds to reset the serial number stored in DRC1.

If mating fails and **Conn** is shown in the display and the radio symbol flashes  Reset DRC1 and repeat the mating process.

## Standard readings

Standard readings when connected:

- Stand by, RH and °C scale

- Compressor active, dehumidifying symbol on 

## General information

### Operation



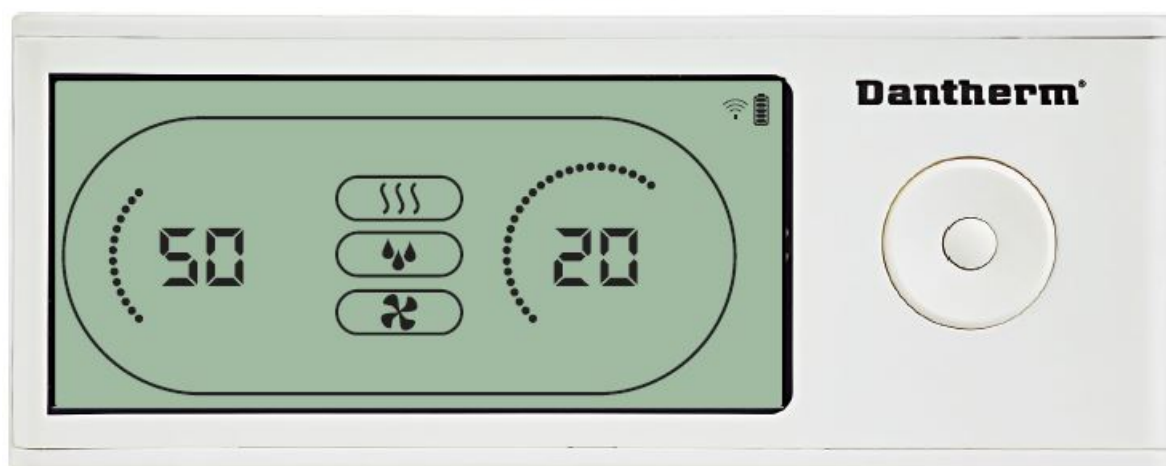
Press and hold for 10 seconds to reset the serial number stored in DRC1.




Press and Hold for 3 seconds to enter user menu setup.



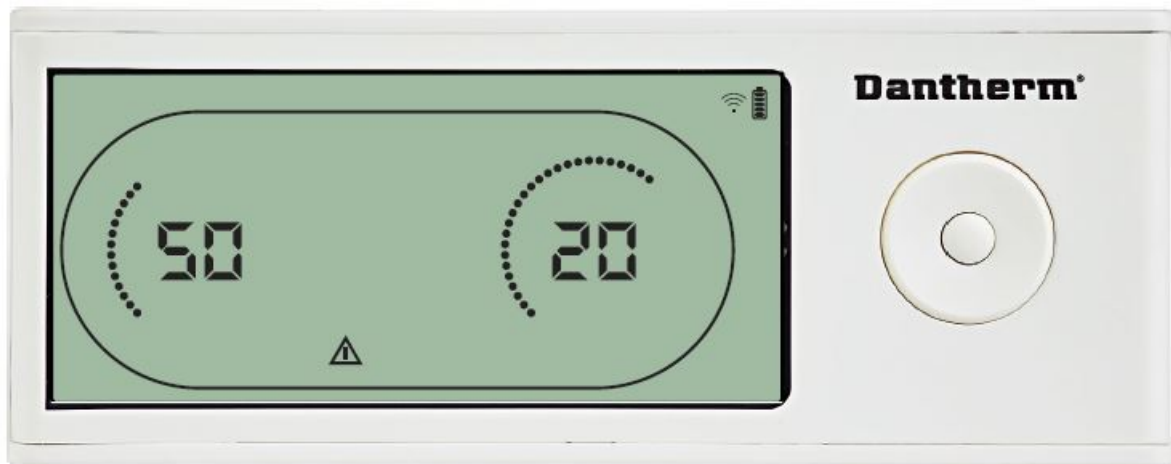
Press and hold for 5 seconds to enter installer menu.




- When the dehumidifier is running the dehumidifying symbol (  ) is shown in the DRC1 display.

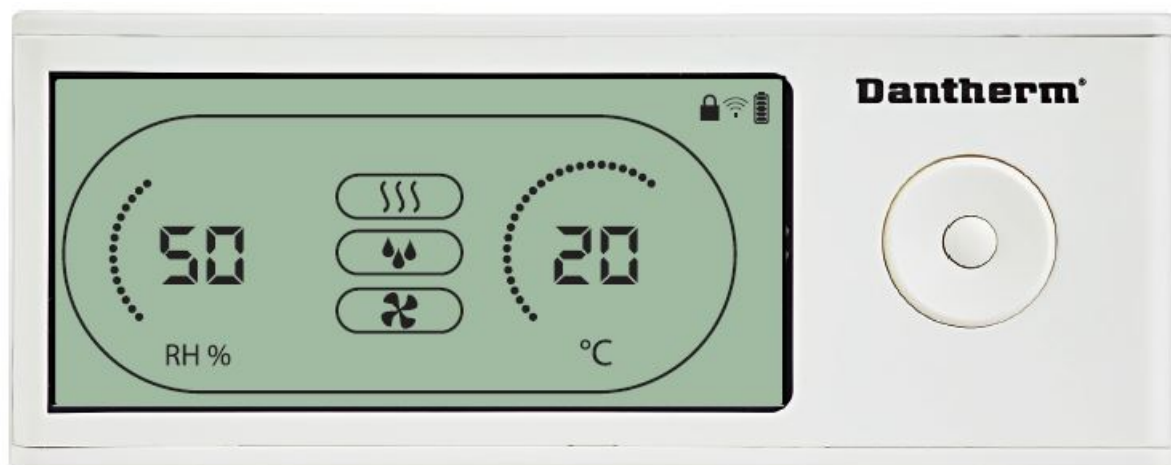
- When heating is toggled ON, the heating icon will be shown in the DRC1 display. When the extractor fan is turned on, the extractor fan icon (  ) will be shown in the DRC1 display.

## Fail Condition



If the dehumidifier enters fail mode, the warning sign (  ) will be shown in the DRC1 display.






## Locked remote

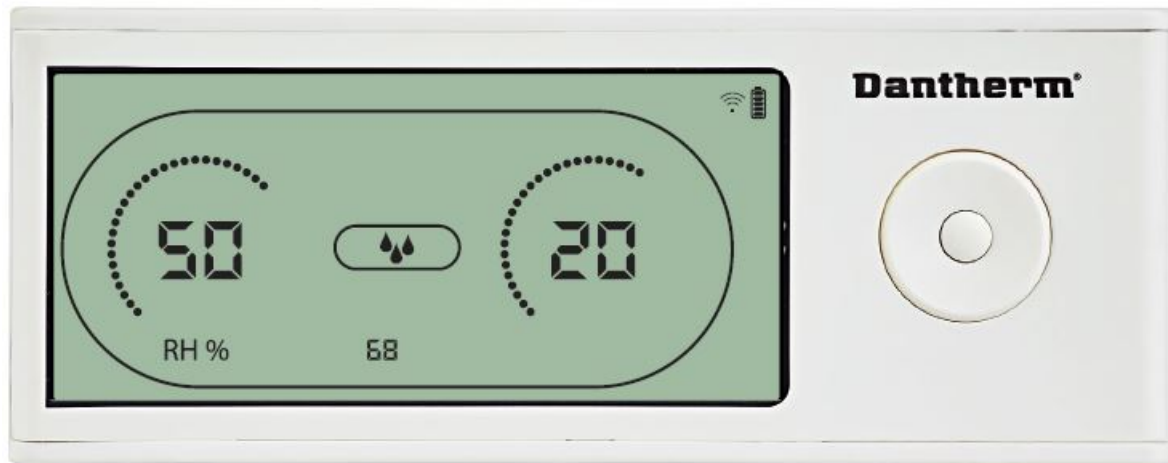


- The DRC1 is equipped with a switch in the battery compartment.
- When switched to the "lock" position, the buttons on the DRC1 become inactive.
- The display will still update with information but does not allow user inputs.

## User menu Setpoints






### Dehumidifying set point

-  Press for 3 sec to enter user menu setup. Press to confirm.
-  Decrease with 1 unit
-  Increase with 1 unit
-  Navigation between icons
-  Navigation between icons

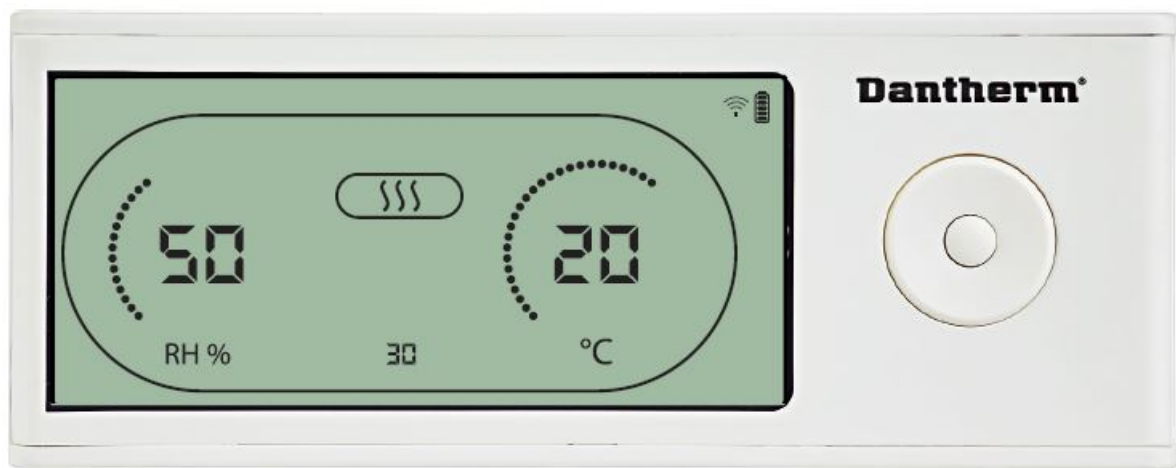


- The humidity value and the dehumidifying icon will flash.
- The display shows the desired humidity set point.
- While flashing, the value can be increased or decreased by pressing the Up/Increase or Down/Decrease button on DRC1.
- Press enter to confirm the humidity set point and go to the next menu page.

### Temperature set point

-  Press for 3 sec to enter user menu setup. Press to confirm.
-  Decrease with 1 unit
-  Increase with 1 unit
-  Navigation between icons
-  Navigation between icons





- The temperature value and the heating icon will flash.
- The value displayed shows the desired temperature set point. While flashing, the value can be increased or decreased by pressing the Up/Increase or Down/Decrease button on the DRC1
- **Maximum:** 34 °C,
- **Minimum:** 5 °C. Press enter to confirm the new set point and go to the next menu page.

## Installer menu



Press and hold for 5 seconds to enter the installer menu.

## Fan set point.



Decrease with 1 unit



Increase with 1 unit



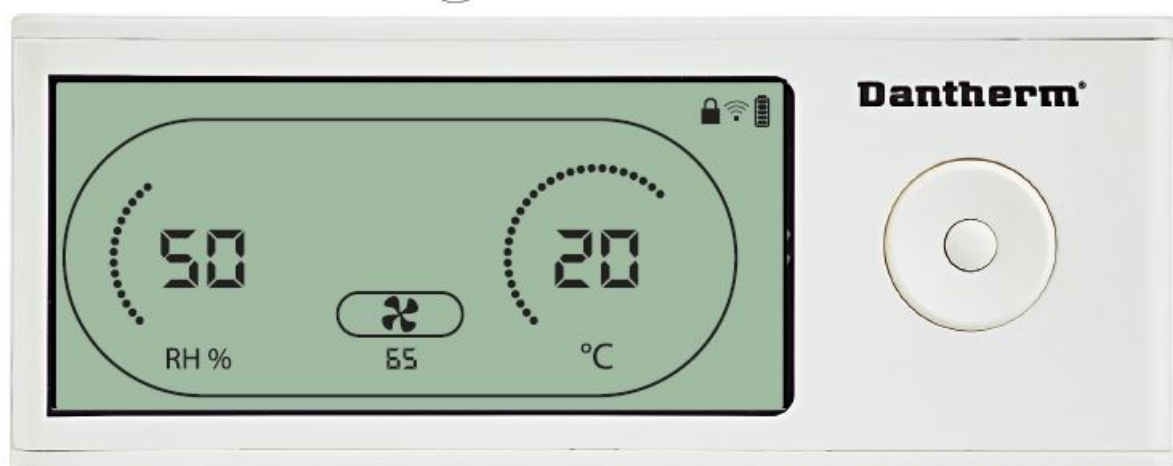
Navigation between icons



Navigation between icons



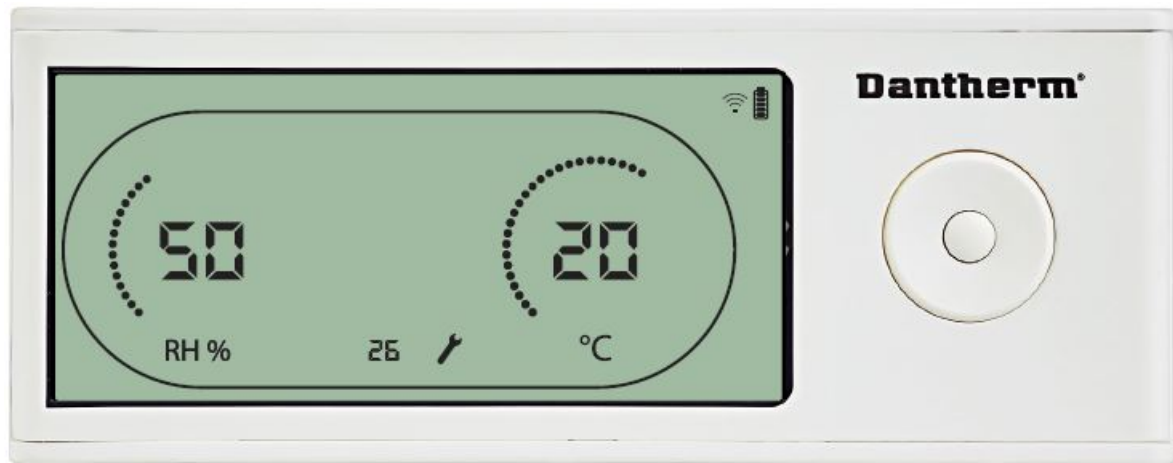
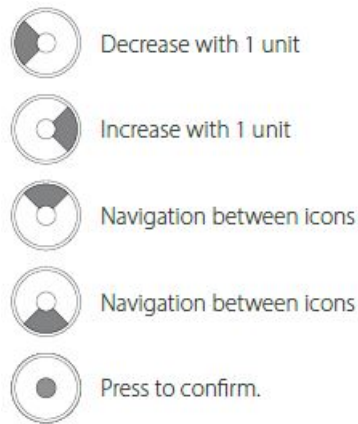
Press to confirm.





- When the extractor fan icon flashes at 0.5 Hz and extractor fan set point value is shown on the info line.
- Left or right button to decrease or increase value. Enter to confirm the set point and go to the next icon.
- If you do not confirm the change, the new setpoint will not be stored

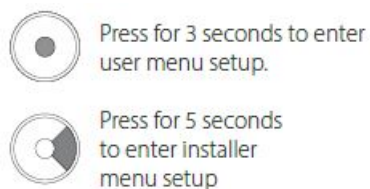
## Service interval

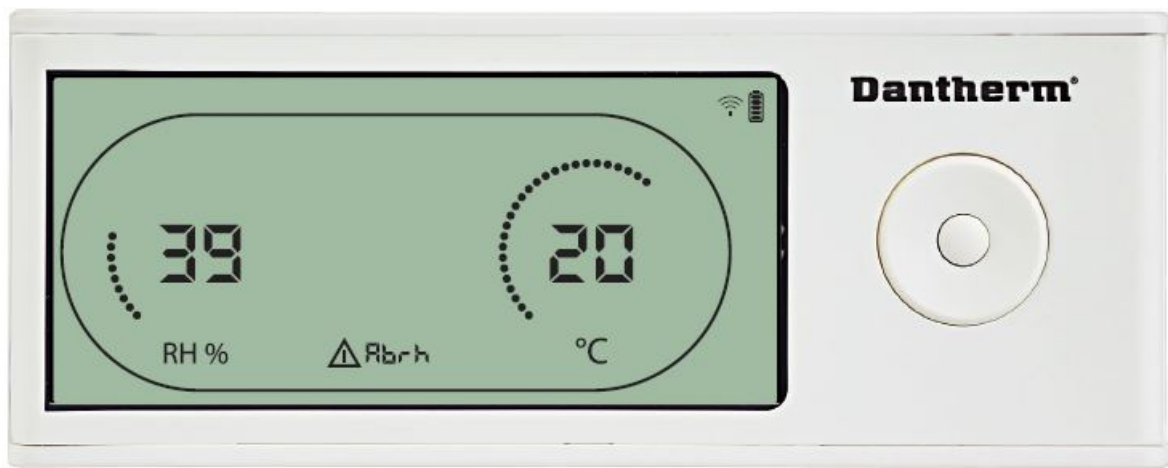


- While flashing, the service interval can be increased by pressing the RIGHT Button or decreased by pressing the LEFT Button.
- Maximum 99 Weeks. The minimum is 1 week.

## Alarms

### Ambient condition Stand-by mode 2





- DRC1 enters stand-by mode 2 when ambient conditions are out of operation range.
- The display will show temperature and Rh readings when the unit is in standby mode 1.
- This state will only get corrected when the ambient temperature (abt) or ambient humidity (abh) is in range, and can not be dismissed.
- You can enter the menu setup to modify set point values – only in this case.
- While in Menu Setup, the alarm icon turn off, and the set point value will be shown instead of the “Abt/Abh” code on INFO-line

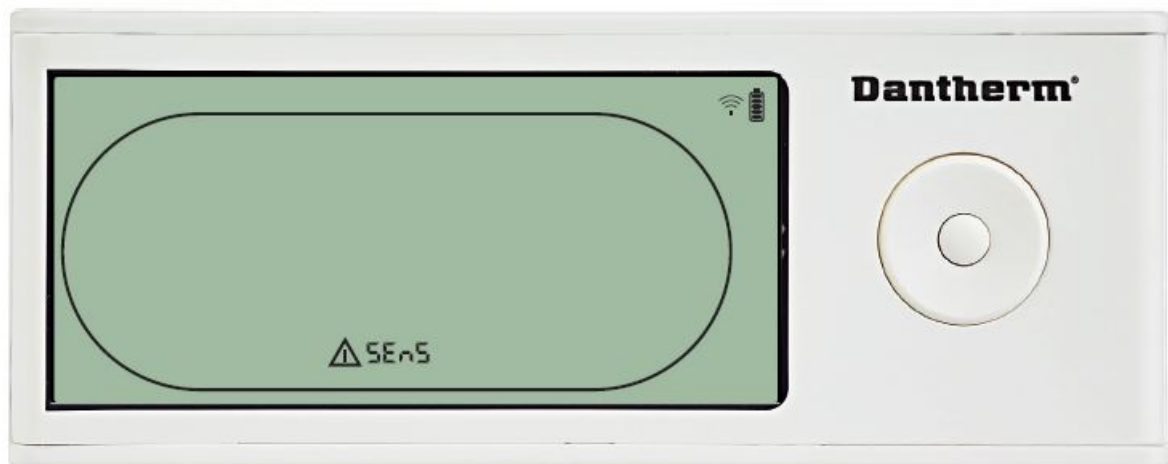
#### Sensor fail



Press to see which sensor is defect.

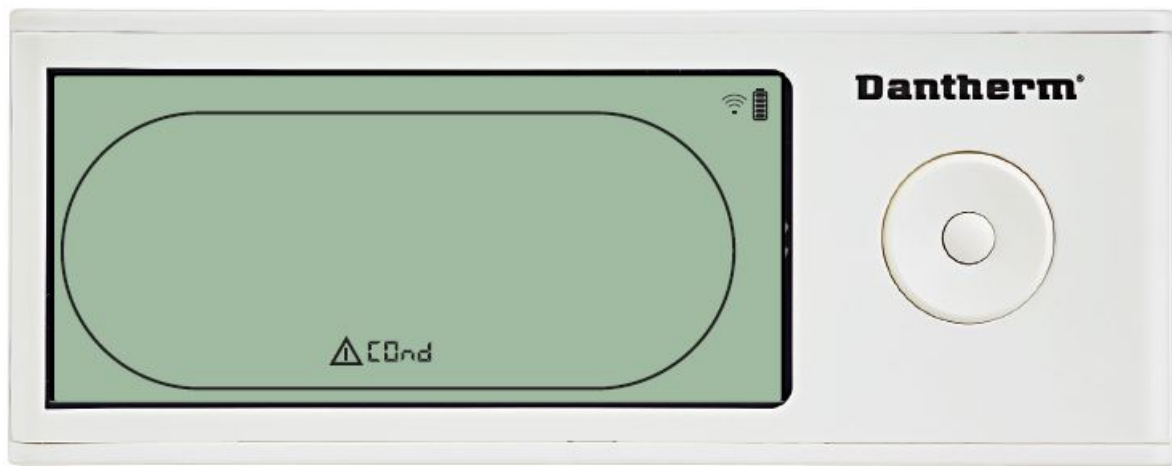


Press to see which sensor is defect.



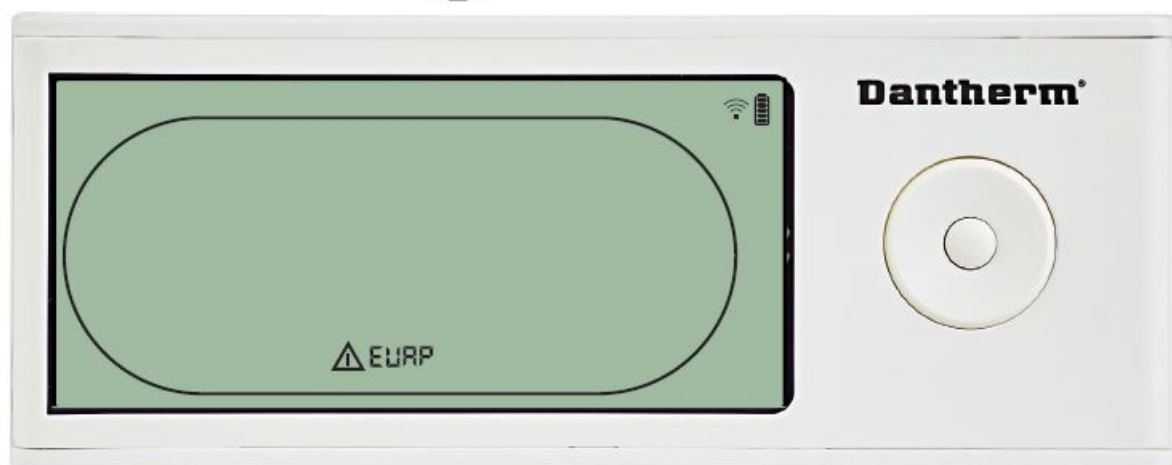
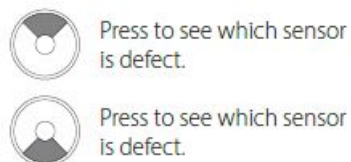
- Dehumidifier is stopped because sensor failure is detected.
- Sensor Fail can not be dismissed from DRC1.
- Use the UP or DOWN button to see which sensor/sensors are defect
- If all sensors are defective these codes show in the following sequence: “COnd” “EVAP” “RH/T”
- It is not possible to enter the menu setup to modify set point values

#### Condensor sensor fail



- If the condenser sensor defects, then the "COnd" code will be shown when pressing UP or DOWN when the screen shows the Sensor fail code "SEnS".
- If no buttons are pressed within 10 seconds then the screen will again show "SEnS" again.
- It is not possible to enter the menu setup to modify the set point.

#### Evaporator sensor fail



- If the evaporator sensor defects, then the "EVAP" code will be shown when pressing UP or DOWN during the screen shows the Sensor fail code "SEnS".
- If the Evaporator sensor ok, then no "EVAP" code shall be shown.
- If no buttons are pressed within 10 seconds then the screen will show "SEnS" fail again.
- It is not possible to enter the menu setup to modify the set point.

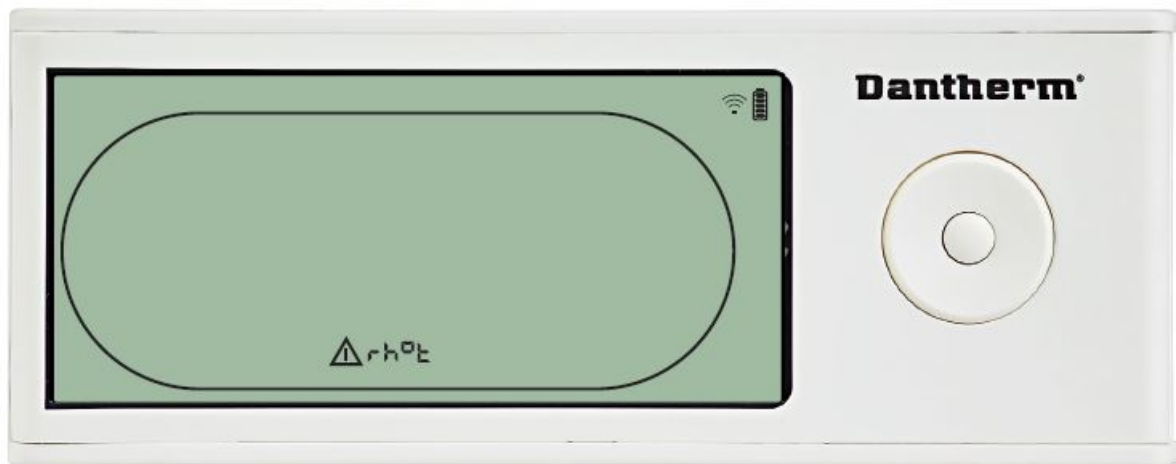
#### RH/T sensor fail



Press to see which sensor is defect.

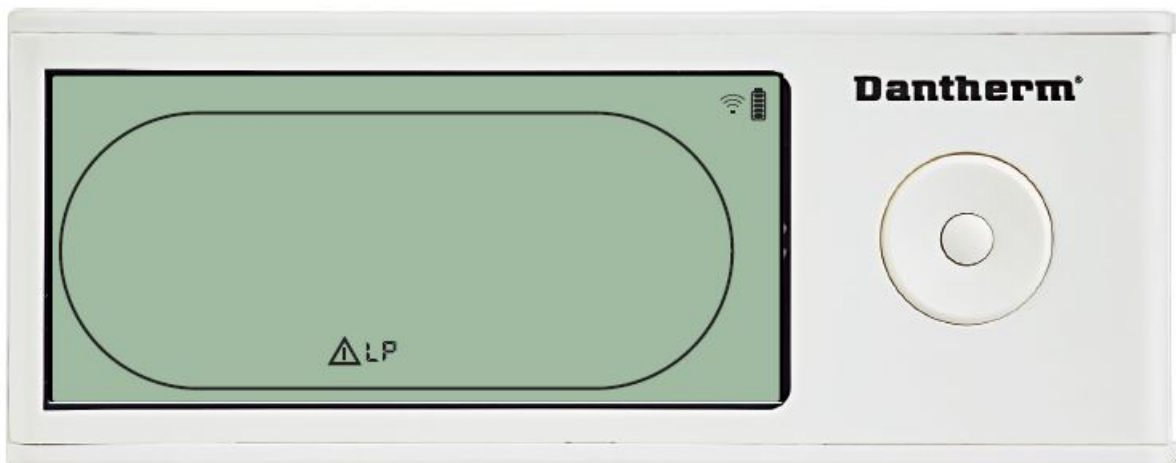


Press to see which sensor is defect.



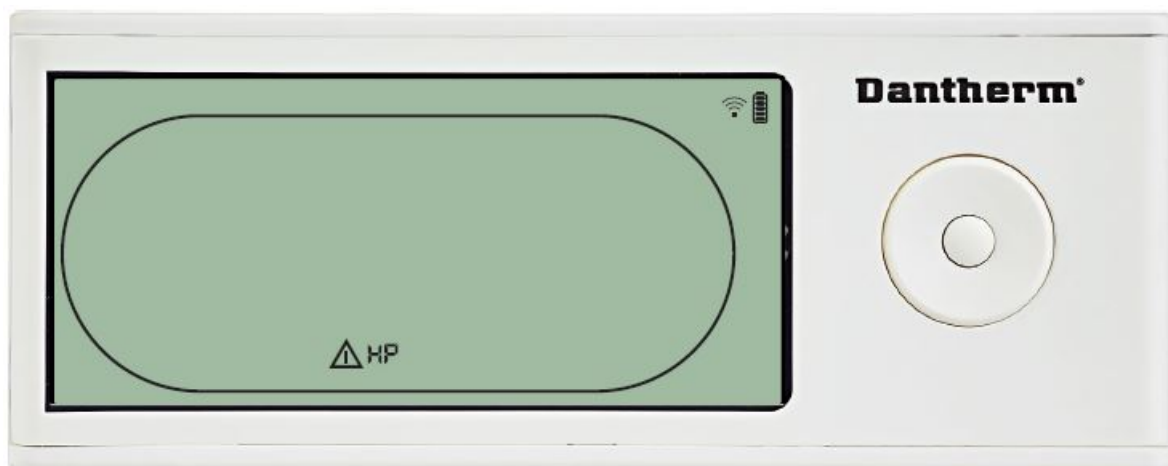
- If the RH/T sensor is defective, then the “rh°t” code will be shown when pressing UP or DOWN during the screen shows Sensor fail code “SEnS”.
- If the RH/T sensor ok, then no “rh°t” code shall be shown.
- If no buttons are pressed within 10 seconds then the screen will show “SEnS” fail again.
- It is not possible to enter the menu setup to modify the set point.

#### Low pressure fail



- Dehumidifier stopped because of Low-Pressure detection.
- Fail can not be dismissed from DRC1.
- It is not possible to enter the menu setup to modify the set point.

#### High pressure fail

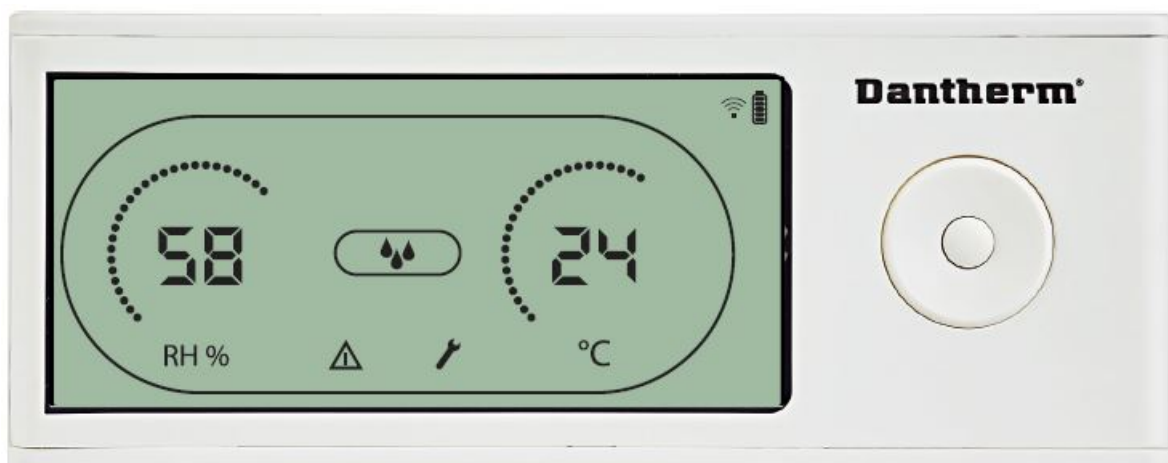


- Dehumidifier has stopped because of High-Pressure detection.
- Fail can not be dismissed from the Remote panel.
- It is not allowed to enter the menu setup for modification of set point values.

### Service alarm



Press for 5 seconds to enter the installer menu setup



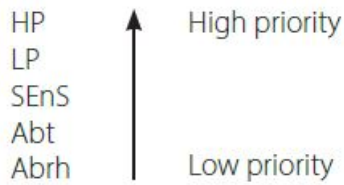
- The Service icon will be shown when it is time for servicing the dehumidifier.
- The service alarm does not affect the operation of the dehumidifier.



**To dismiss/reset the service alarm:**

- Press right for 5 seconds to enter the installer menu.
- Press DOWN/UP to navigate to the service icon.
- Press RIGHT/LEFT to change the setpoint from 0 to desired service interval.
- Confirm service interval by pressing enter.

### Alarms priority



When more than one alarm is active the list above shows the priority of the alarms.

### Dantherm A/S

Marienlystvej 65 7800 Skive Denmark



[support.dantherm.com](http://support.dantherm.com)

Dantherm can accept no responsibility for possible errors and changes.


### Contact Information

For further assistance or information, please contact Puravent, Adremit Limited at:

### Get In Touch

- **Call:** 0845 6880112
- **Email:** [info@adremit.co.uk](mailto:info@adremit.co.uk).
- **Our Address:** Puravent, Adremit Limited, Unit 5a, Commercial Yard, Settle, North Yorkshire, BD24 9RH.

### Documents / Resources

	<p><a href="#">Dantherm DRC1 Wireless Remote Controller</a> [pdf] Instructions CDP 40, CDP 50, CDP 70, CDP-T 70, CDP-T 50, CDP-T 40, CDF 40, CDF 50, CDF 70, DRC1 Wireless Remote Controller, DRC1, Wireless Remote Controller, Remote Controller, Controller</p>
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### References

[Manuals+](#).