SALUS CONTROLS

DT300, DT300RF

Quick Guide

SALUS Controls
Units 8-10, Northfield Business Park
Forge Way, Parkgate,
Rotherham, S60 1SD
Email: sales@salus-tech.com

Computime

www.salus-controls.com

SALUS Controls is a member of the Computime Group.

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V03

Introduction

DT300/DT300RF is a digital room thermosat used to control room temperature. Device launching heating system by shorting terminal blocks, simultaneously informing the action and showing this information on the LCD display. Before use please read this manual carefully. Use only AA 1. 5 V alkaline batteries in the thermostat. Place the batteries into the battery holder located on the side of thermostat (see the *Battery Replacement* chapter on the back). Do not use rechargeable batteries.

Product compliance

This product complies with the essential requirements and other relevant provisions of Directives EMC 2014/30/EU, LVD 2014/35/EU, RED 2014/53/EU and RoHS 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com

Safety Information

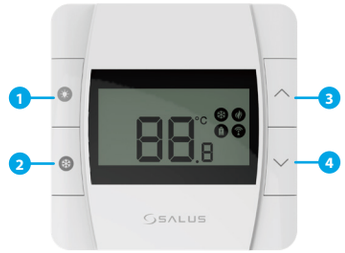
Use in accordance to national and EU regulations . Use the device as intended , keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU requlations.

Technical specification

	DT300 Thermostat	DT300RF Thermostat
Thermostat supply	2 x AA alkaline batteries	2 x AA alkaline batteries
Receiver supply	-	230 V AC
Thermostat rating max	5 (3) A	-
Receiver rating max	-	16 (5) A
Outputs	Voltage free NC / NO / COM terminals	-
Temperature range	5 - 35°C	5 - 35°C
Dimension [mm]	90 x 90 x 29	90 x 90 x 29

Button functions

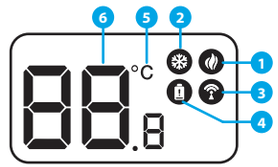
DT300 / DT300RF Thermostat



DTRX3 Receiver

1. Turn on the LCD backlight
2. Turn On/Off the Frost Mode
3. Increase button
4. Decrease button
5. When in manual mode, ON will turn the boiler on. When in manual mode, OFF will turn the boiler off.
6. Receiver operates in automatic mode according to the thermostat/Receiver output is controlled by the On/Off slide switch.

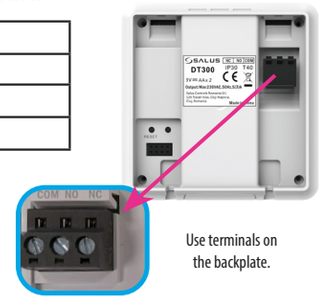
LCD Icon description



1. Heating Mode ON
2. Frost Protection Mode ON
3. RF signal indicator (only for DT300RF)
4. Low battery status
5. Temperature unit
6. Room / setpoint temperature

DT300 Thermostat terminals description

Terminal	Description
1 - COM	Common Terminal
2 - NC	Switched Live OFF
3 - NO	Switched Live ON

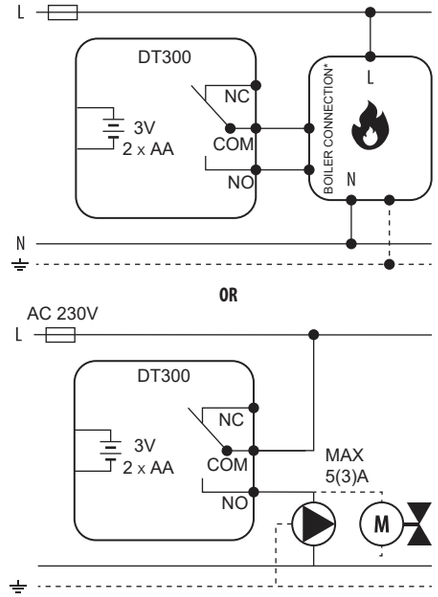


Use terminals on the backplate.

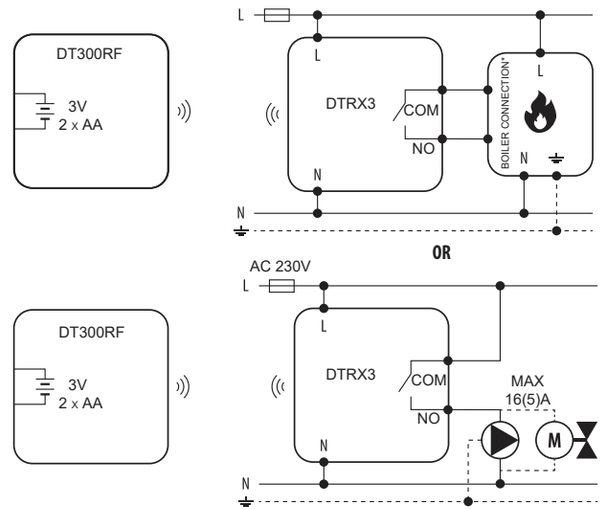
DTRX3 Receiver terminals description

Terminal	Description
NO	Switch Terminal
COM	Common Switch Terminal
L, N	Power Supply (230 V AC)

DT300 Thermostat Wiring Diagram



DT300RF Thermostat Wiring Diagram



Legend:

Boiler - Boiler connection*
- Boiler's contacts for ON / OFF thermostat (according to the boiler's instructions)

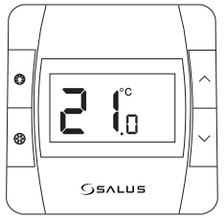
Pump

Valve actuator

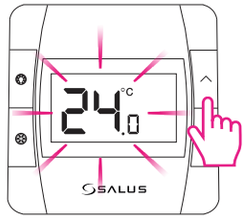
Symbols explanation:

L, N - Power supply 230V
NO, COM, NC - Voltage-free output
- Fuse

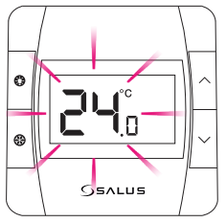
Change the Setpoint temperature



The thermostat displays measured room temperature.



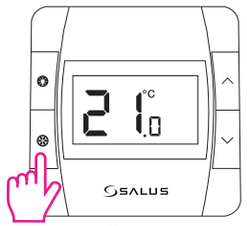
Press ∧ or ∨, to set the temperature.



After 2 seconds, the new temperature setpoint will be overwritten.

The thermostat will display the measured temperature again. The heating mode icon will appear if the temperature setpoint is higher than the measured temperature.

Frost Protection



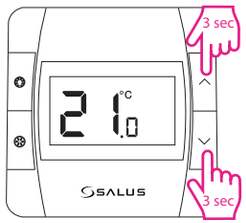
Press ❄ button to turn ON/OFF frost protection.

When the snowflake icon is displayed then it means that the frost protection mode is active.

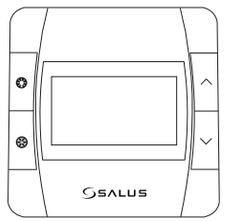
The Frostpoint temperature can be reviewed by pressing the ∧ button once, but can only be changed in Installer Mode.

Sleep Mode

When Sleep Mode is active all the thermostat functions will be paused.



To enter sleep mode, press and hold ∨ and ∧ for 3 seconds.



To exit sleep mode, press twice any button.

Pairing the DT300RF Thermostat with the DTRX3 Receiver

Note: If you are using the DT300RF pack , the pairing between the thermostat and the receiveris already done. During the pairing process, please make sure the thermostat and the receiver are at least 1 meter from each other.

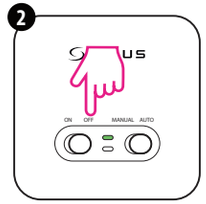
Important note: The communication radius of the thermostat with the receiver is of maximum 100m, in open space. In built space, with various obstacles (eg walls, floors, metal structures, furniture elements), the communication radius will be significantly reduced. RF communication can be disrupted by local factors, such as GSM antennas, radio frequency devices or toys, or other equipment that produces electromagnetic interference. Receivers for the boiler must be powered from a stable voltage source, without frequent interruptions or voltage fluctuations (outside the standard tolerance). The manufacturer is not responsible for identifying or combating the effects of local disturbances.

If you want to re-pair the devices with each other, follow the steps below:

1

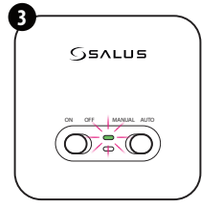
Make sure that the receiver is disconnected from the power supply and the switches on it are in the AUTO and ON positions. Then connect the receiver to the power supply and wait for the green LED to glow continuously.

2



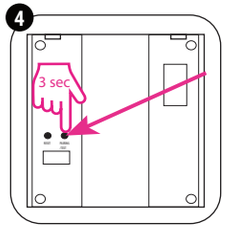
Move the left switch to the OFF position with a quick motion and back to the ON position

3



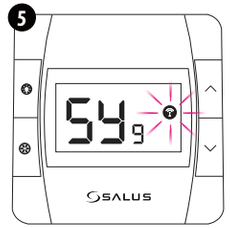
The green LED will start blinking, which will confirm that the receiver has entered the pairing mode

4



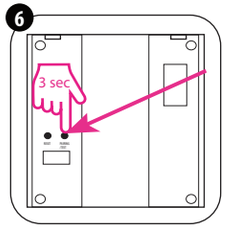
Press and hold PAIRING / TEST button behind the back cover cover for 3 seconds.

5



When the thermostat enters sync mode, the screen will display S Y + a digit. The pairing process can take up to 9 minutes. Once devices are successfully paired, the LED indicator will turn permanently green.

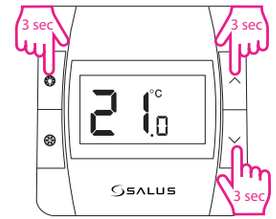
6



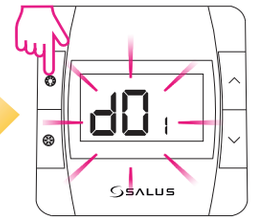
Press and hold PAIRING / TEST button behind the back cover cover for 3 seconds.

7

Installer Mode



Press three buttons at the same time for 3 seconds

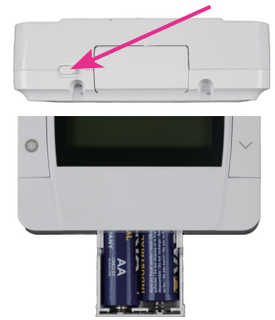


Press ❁ to edit the parameter. To change the parameter value use ∨ and ∧ buttons.

To exit Installer Mode, wait 10 seconds, the thermostat will automatically return to the main screen.

dxx	Function	Parameter value	Default value
d01	Temperature display increments	0.1 °C or 0.5 °C	0.5 °C
d02	Temperature offset	+/- 3.0°C	0.0 °C
d03	Frost protection setpoint temperature	5.0 °C - 17.0 °C	5.0 °C
d04	TPI or SPAN algorithm selection TPI = self-adaptive algorithm SPAN = hysteresis (fixed temperature deviation)	TPI or SPAN	TPI
d05	TPI or SPAN adjustment (if you selected SPAN in parameter d04, then parameter d05 will display the SPAN settings, the same applies to the TPI algorithm)	6CP or 9CP / 0.25 °C or 0.5 °C	6CP / 0.5 °C

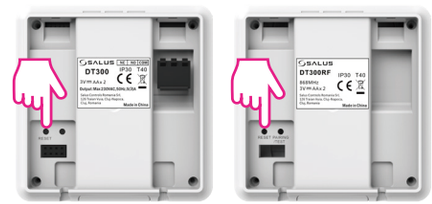
Battery replacement



To insert and replace the batteries, follow the steps below:

1. Unlock the battery compartment.
2. Push the battery holder at the bottom of the thermostat
3. After adding or replacing the batteries, re-insert the battery holder.

Reset of the DT300/DT300RF thermostat



Press the RESET button under the back cover (you can use a paper clip), the thermostat will reset and restart automatically.