



ROUNDLINE Master

Multiple applications

Master can be used in many different ways. As a central control unit that is connected to all heaters within 30 meters, can be set to a day temperature and a night temperature, Roundline Master can also be connected to an external equipment e.g. a GSM- caller or a timer, and in this way make the night temperature lower automatic, or raise the temperature in your summer house before you arrive. The setting for day and night temperature is done on the key pad, but the switch between the different settings is done through the external equipment. It can be used with the Roundline Room thermostat. The heaters will respond to the room units as long as the Roudline Master is in a "OFF mode", but when the Roundline Master is in "On mode" it takes over the Room thermostats. This way you can regulate every room separate, but still force a nightly lowering of the temperature of all the heaters.

Below you can read how you install, set and use your Roundline Master. We recommend that you read through the manual carefully before you start the installation. If you have any questions contact our customer support at +46 418 - 45 58 25.

INSTALLATION

- Turn off the heater with the main power switch.
- Turn the heater thermostat control to 20°C.
- Plug the radio receiver carefully into the heater. Check that all of the five pins on the RF-plug are placed correctly into the corresponding holes on the heater, and that the RF-plug easily fits in the right position.
- Secure the RF-plug in its position with the enclosed screw.
- Turn on the heater with the main switch (position1).

CONNECTING THE HEATERS AND THE ROUNDLINE MASTER

When all the RF-plugs are in place and the power switches are turned on.

- Open the back of the Roundline Master by pushing it down. Connect the supplied cord to the the connection on the curcuit board. The display is now activated.
- Press the MODE and ON/OFF buttons on the Roundline Master at the same time, Keep them pressed down for 3 seconds. A countdown off 30 seconds is shown in the display window.
- Within the 30 seconds you have to press the hidden button on the RF-plugs, using a needle or a paper clip. The RF-plug and the Roundline Master are now searching for each other. When they have established a connection a green steady light (N.B. faint) will be visible on the RF-plug. The green light will disappear when the count down of the Roundline Master is done and will remain turned off. The Roundline Master is now connected with the heater.
- If you did not have time to connect all the heaters with the Roundline Master during the 30 seconds, repeat the procedure, and continue with the remaining heaters.
- The connected heaters have a built in memory that allows them to remember the connection even if there is a power failure. By pressing the MODE and ON/OFF button at the same time you can check and see if all the heaters are connected with the Roundline Master. On all the heaters that are connected a light will turn on, on the RF-plug for the count down of 30 seconds, which will be shown on the display. The heater is not connected with the Roundline Master if the light is not lit. See further under troubleshooting. If any of the lights on the RF-plugs start blinking it means that they have lost connection. See further under troubleshooting.
- The RF-plug can be connected to both a Roundline Room unit and a Roundline Master at the same time. If you wish to delete one of the units form the RF-plug memory just do a reset. This action deletes all connections to other units and the instalation of the RF-plug has to be done from the beginning. The reset is done by turning off all the heaters on the power switch, pressing the hidden button on the RF-plug and keeping it pressed down as you turn on the heater again on the power switch. Then keep the hidden button pressed down for 3 more seconds and the memory is reset.

FUNCTIONS

The Roundline Master has three different temperature settings; Day temperature(*), night temperature (**) and stand-by (***). Day and night temperature can be set to any temperature between 5°C and 35°C, and the stand-by is locked at 5°C. You can choose how you want the connections between these different settings should be, either by manually pressing the button on the Roundline Master front panel, or an external unit through the limit switch screw connection on the back of the Roundline Master. You can also choose if the Roundline Master is going to communicate directly with all the heaters, or if you want Rroundline Room thermostats, which enables individual temperatures in different rooms.

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INSTALLATION OF DESIRED BASIC FUNKTION

Start the installation of your Roundline Master by chooseing the right basic functions. The following are the choices:

- "Key operated" or "Externally controlled"
- "Roundline Room thermostats avaliable" or "No Roundline Room thermostats avaliable"

Chose the mode that best suits your installation by pressing the following buttons:
Press Mode and – at the same time to activate "Key operated"
Press Mode and + at the same time to activate "Externally controlled"
Press Mode and ❊ at the same time to activate "Room thermostats available"
Press Mode and ☽ at the same time to activate "No room thermostats avalabile"

DESCRIPTION OF THE DIFFERENT OPERATION MODES

Key operated:
All the teperature settings and switching between different temperature modes is done on the Roundline Master key pad.

Externally controlled:
The temperature settings are done on the keypad. A switch between the different temperature modes is done by an external unit (eg a timer) through the limit switch connection.

Roundline Room Unit available:
No signals are transmitted when the "OFF" mode is on. In "OFF" mode the room units take over the heaters and regulates them according to their local settings. The Roundline Master takes over the regulation of all the heaters when the "ON" mode is active.

No Roundline Room Units available:
In the "OFF" mode all heaters are regulated to 5°C, or a non freezing mode. In "ON" mode you can choose between day or night temperature.

Display symbols:

Externally controlled room units	→●))	Externally controlled without room units	→●
Key operated room units	●))	Key operated without room units	●

***)Standard temperature - Day mode**
Press the sun symbol ❊ (the sun symbol appears in the display) set the desired day temoerature by using the plus and minus buttons. The display is showing the chosen temperature with blinking numbers. When the numbers top blinking the new setting is activated.

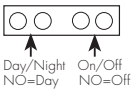
****)Night temperature – Night mode**
Press the moon symbol ☽ (the moon symbol appears in the display) set the desired night temperature by using the plus and minus buttons. The display is showing the chosen temperature with blinking numbers. When the numbers stop blinking the new setting is activated.

*****)ON/OFF - Stand-by mode**
The Roundline Master never completely. If Reco Room Units are available the Roundline Master only show two horizontal lines in the "OFF" mode, and the different temperature settings are shown on the different room unit displays. If Roundline Room unit are not available the central control will show a snowflake and the temperature 5°C, i.e. non freezing mode, in the "OFF" mode. The day or night temperature, depending on which one is active, is always shown in "ON" mode.

The current temperature setting and which mode is active are displayed at all times, unless the unit is turned off or a room unit is available. Then the display shows two horizontal lines, and the temperature setting is shown on the different Roundline Room units. The set temperature for each function are stored and is activated the next tim the function is activated.

CONNECTION OF EXTERNAL CONTROL EQUIPMENT

Roundline Master has two two limit switch screw connections on the back, one for Day or Night and one for ON or OFF. When open is the day/night in Day mode and on/off in OFF mode. Connect the desired equipment that you want to activate the different temperature settings with as follows:



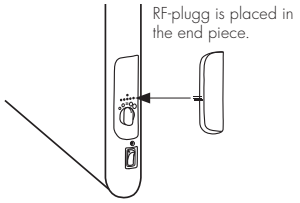
If you only want to switch between day and night temperature, you can close the ON/OFF contact with a short jumper.

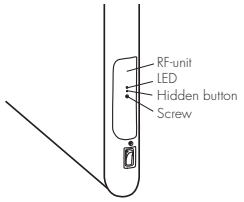
COMMON QUESTIONS AND TROUBLESHOOTING

The green light on the RF-plug is blinking. Why?
It means that it has no contact with any Roundline Master or Roundline Room unit. The heater will continue to use the last setting that was set before the communication was broken. Try to connect the Roundline Master and the RF-plug again as above. If it still does not work contact Tego.

How can I be sure that the heaters are connected to the Roundline Master?
By pressing the MODE and ON/OFF buttons at the same time on the keypad on the Roundline Master, and holding them pressed down for 3 seconds. On all the heaters that are connected a light on the RF-plug will turn on during the count down off 30 seconds that are shown on the display.

I have had a power failure. Do I have to redo the installation when the power is turned back on?
No. The RF-plug has a built-in memory. As soon as the power comes back the system will function as before.





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