

# Roth Softline Project Controller 2 Ch

## Wireless control system for underfloor heating

Roth Minishunt Plus control system is used for regulation of the room temperature in 2 rooms with underfloor heating where a simple but well-functioning system is needed. The system consists of a 2 channel controller connected with up to 2 wireless room thermostats. The box has no control panel as this is not needed when pairing the thermostat. The thermostats are available in 2 variants: Standard and Project. Both thermostats have a display and touch buttons.

## Room thermostats

### Project room thermostat

The thermostat comes in white with a smaller LCD display protected by a transparent polycarbonate plate. The power supply is 2 x AAA 1.5V batteries. The temperature is easily set with the two touch buttons (+/-). It is also possible to lock the buttons for accidental operation.

The following menus are available in the thermostats: Battery status, calibrating, key lock, factory reset, continuous temperature.

### Standard room thermostat

The thermostat comes in white with a bigger LCD display. The front is protected by a transparent polycarbonate plate. The power supply is 2 x AAA 1.5V batteries. The temperature is easily set with the two touch buttons (+/-). It is possible to switch between room temperature and room humidity level using the middle button. It is also possible to lock the buttons for accidental operation.

The following menus are available in the thermostats: Battery status, key lock and factory reset.

## Control box

The control box is a 2 channel controller. The box can be mounted directly on the wall. The controller has 230V output for 4 actuators (max. 2 pr. channel). Furthermore it has 230V output for pump. Individual LED indicators on the front shows the status of the outputs.

## First start-up

When first starting up an underfloor heating system, an actuator should be fully opened to ensure proper operation, it is also important to get all air flushed out of the system.

## Pump motion

To extend the durability of the pump and ensure that the pump does not get stuck, the system automatically performs pump exercise every 10 days for 5 minutes.



## Valve motion

Long durability and securing of valve and the function of the actuator is ensured by the automatic valve and actuator exercise which is performed every 10 days for 5 minutes.

## Sections of functionality

- › Up to 30 m indoor range
- › Locking the thermostat for public use
- › On/Off regulation
- › To be used for underfloor heating
- › Control of pump and actuators

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## Control box

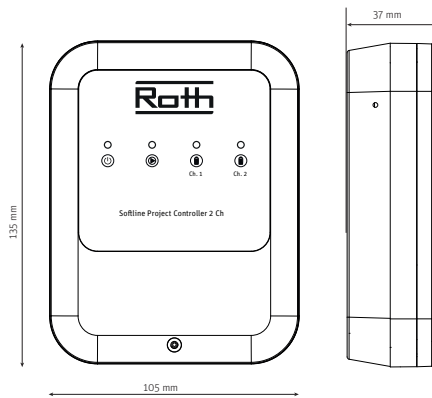
Supply voltage  
Energy consumption  
Number of outputs and voltage  
tors  
Max. sustained load

Protection class I  
Transmission frequency  
Range (up to) 30 m (in ordinary building)  
Max. load pump relay  
Max. load potential-free relay  
Power supply cable  
Ambient temperature  
Ambient humidity  
Storage/transport temperature  
Degree of protection IP20  
Fuse glass fuse WT 6.3A  
Approvals CE

HVAC no. 7466397752 **Control box**

230V AC  
4W  
2 outputs for actua-  
(NC), 230V AC  
4 thermal motors  
(4 x 0.3 A)

(EN60730)  
868 MHz  
230V and 0.5 A  
1A  
150 cm  
5 - 50°C  
< 80% RH  
-20 - +50°C  
(EN60529)  
(5 x 20mm)  
2014/53/EU

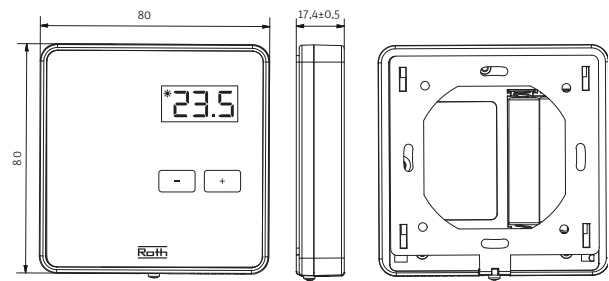


## Thermostats

Roth Project wireless room thermostat  
Roth Standard wireless room thermostat white  
Roth Standard wireless room thermostat black  
Supply voltage  
Battery life  
Power consumption standby  
Room temperature, setting range

HVAC no. 7466397100  
HVAC no. 7466397180  
HVAC no. 7466397181  
2 pcs. AAA 1.5V  
> 2 years  
~ 50uA  
+5 - +35°C

## Roth Project wireless room thermostat



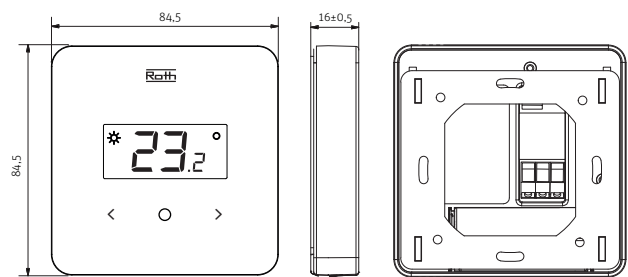
Accuracy (resolution)  
Time constant (time delay)  
Activation time (wake-up time)  
Max. forced update time for data from control box  
Standby display without operation  
Transmission frequency  
Range up to

0.5 K.  
Approx. 4 min.  
<2 sec.  
10 sec.  
Max. 5 sec.  
868 MHz  
30 m  
(ordinary building)

Ambient temperature  
Ambient humidity  
Degree of protection IP20  
Approvals CE

0 - 55°C  
Max. 80% RF  
(EN60529)  
2014/53/EU

## Roth Standard wireless room thermostat



## Accessories

Roth Project actuator 230V  
Roth actuator 230V, NC, 1W  
  
Complete set with controller  
Softline controller 2 channel,  
2 Softline Standard white room thermostats and  
2 Roth Standard actuators

HVAC no. 7466275430  
HVAC no. 7466275433  
  
HVAC no. 7466397772

## Connections to controller

