

Roth Touchline® PL Controller 2 Ch

Wireless control system for underfloor heating

Roth Touchline® PL 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: Roth Touchline® SL Standard and Roth Touchline® PL. Both thermostats have a display and touch buttons.

Room thermostats

Roth Touchline® PL 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.

Roth Touchline® SL 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 run

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



Valve health check

Long durability and securing of valve and the function of the operation 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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Controller

Roth Touchline® PL Controller 2 channel	HVAC no. 7466397752
Supply voltage	230V AC
Energy consumption	4W
Number of outputs and voltage	2 outputs for actuators (NC), 230V AC
Max. sustained load	4 thermal motors (4 x 0.3 A) (EN60730)
Protection class I	
Transmission frequency	868 MHz
Range	Up to 30 m (ordinary building)
Max. load pump relay	230V and 0.5 A
Power supply cable	150 cm
Ambient temperature	5 - 50°C
Ambient humidity	< 80% RH
Storage/transport temperature	-20 - +50°C
Degree of protection IP20	(EN60529)
Fuse glass fuse WT 6.3A	(5 x 20mm)
Certificate	CE, UKCA

Thermostats

Roth Touchline® PL room thermostat	HVAC no. 7466397100
Roth Touchline® SL Standard room thermostat, white	HVAC no. 7466397180
Roth Touchline® SL Standard room thermostat, black	HVAC no. 7466397181
Supply voltage	2 pcs. AAA 1.5V
Battery life	> 2 years
Power consumption standby	~ 50uA
Room temperature, setting range	+5 - +35°C
Accuracy (resolution)	0.5 K.
Time constant (time delay)	Approx. 4 min.
Activation time (wake-up time)	< 2 sec.
Max. forced update time for data from control box	10 sec.
Standby display without operation	Max. 5 sec.
Transmission frequency	868 MHz
Range	up to 30 m (ordinary building)
Ambient temperature	0 - 55°C
Ambient humidity	Max. 80% RF
Degree of protection IP20	(EN60529)
Certificate	CE, UKCA

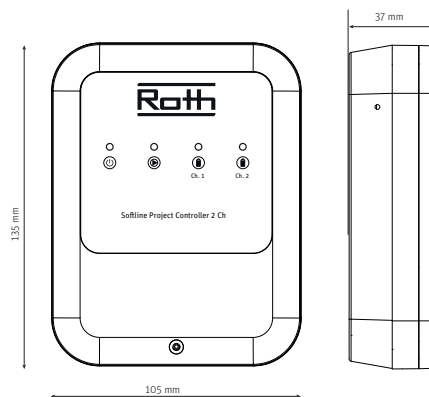
Accessories

Roth Touchline® PL actuator 230V	HVAC no. 7466275430
Roth Touchline® actuator 230V, NC, 1W	HVAC no. 7466275433

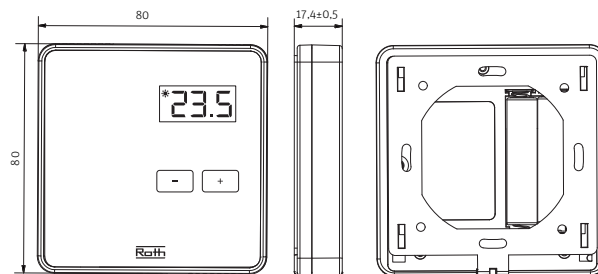
Roth Touchline® PL Controller 2 channels complete set

- HVAC no. 7466397772
- 1 pcs Roth Touchline® PL Controller 2 channels
- 2 pcs Roth Touchline® SL Standard white room thermostats and
- 2 pcs Roth Touchline® actuators

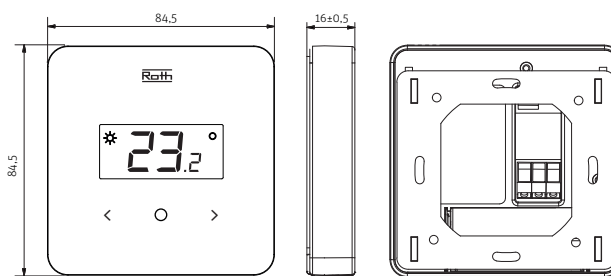
Roth Touchline® PL Controller



Roth Touchline® PL room thermostat



Roth Touchline® SL Standard room thermostat



Connections to controller

