

FLOORiGO



FL1G is a room thermostat for controlling underfloor heating. To be mounted in a wallbox.

- * One step, closing relay contact, 13 A, 230V
- * Minimum/Maximum limitation
- * Built-in or external setpoint
- * Built-in and/or external sensor
- * Setting range can be limited
- * Supplied with floor sensor

Function

FL1G is a one-step thermostat with 2-pole switch. The thermostat is to be mounted in a standard wallbox (cc 60 mm). FL1G is supplied with floor sensor.

Setpoint

The setpoint is set by means of the knob on the front. Setpoint limitation can also be achieved mechanically by means of limitation discs behind the setpoint knob.

Sensors

Both the built in sensor, another external sensor or a combination of the two can be used as main or limiting sensor. The required selection is made using jumpers, see "Settings" overleaf. One external sensor *TG-G240* is supplied with the thermostat.

Minimum/Maximum limitation

If an internal sensor is chosen as main sensor an external sensor can be connected for minimum or maximum limitation of the setpoints. The setpoint of the limitation temperature can be set inside the hood.

Night setback

Night setback can be obtained by means of an external timeswitch. Night setback is 5K. A number of thermostats can be connected to the same timeswitch.

Switch

The thermostat has a built-in 2-pole switch on the front to switch the load.

Indication

Floorigo has LED indication when the relay output is activated.

Applications

FL1G is well suited for controlling underfloor heating. When set in a concrete floor the *TG-G240* sensor, which is supplied on delivery, will allow either the floor sensor or the room sensor to act as main sensor and the other to control minimum/maximum limitation.

Technical Data

Supply voltage 230 V AC +/- 10%, 50...60 Hz
 Connection Screw terminal
 Ambient temperature 0...50°C
 Ambient humidity Maximum 90% RH
 Form of protection IP20



This product conforms with the requirements of European EMC standards CENELEC EN50081-1 and EN50082-1, European LVD standards IEC669-1 and IEC669-2-1 and carries the CE mark.

Inputs

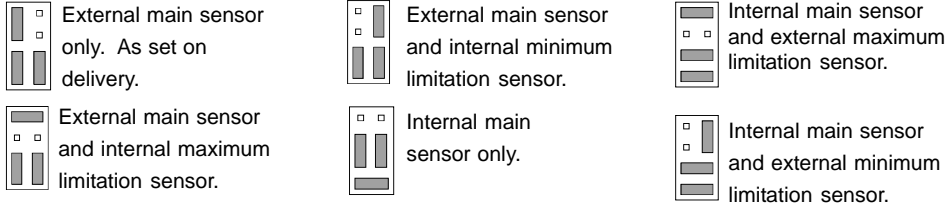
Sensor input One, for external temperature sensor, (supplied with suitable sensor, see below).
 Night setback One, for potential free closing contact from external control switch. Gives night-setback 5K.

Outputs

Relay contact One closing contact 230 V, Maximum 13 A, heating function.

Settings

Setpoint 0...40°C
 Main switch On/off, 2-pole
 Sensor function Required sensor function is selected by means of jumpers on the circuit board.



Indications

An LED indicates relay on, (situated behind setpoint marking)

Sensor

TG-G24 Floor sensor 0...40°C is supplied together with 3m of cable, diam. 6.5mm.

Wiring, sensor settings and dimensions

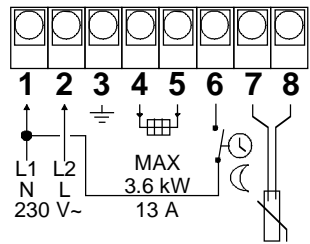
1-Phase

| | | |
|---|--------------------|----------------|
| 1 | System zero | Supply-voltage |
| 2 | 230 V AC | |
| 3 | Earth | |
| 4 | Load, maximum 13 A | |
| 5 | Load, maximum 13 A | |
| 6 | Night setback | |
| 7 | External sensor | |
| 8 | External sensor | |

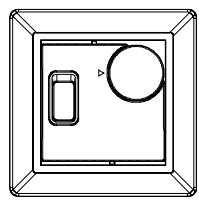
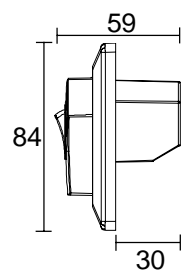
2-Phase (Norway)

| | |
|---|-----------------------|
| 1 | Phase 1 230 V AC (L1) |
| 2 | Phase 2 230 V AC (L2) |
| 3 | Earth |
| 4 | Load, maximum 13 A |
| 5 | Load, maximum 13 A |
| 6 | Night setback |
| 7 | External sensor |
| 8 | External sensor |

Wiring terminal



TG-G24
 (is supplied with the thermostat including 3 m of cable , diam.6.5mm)



Measurements in mm

FOR INDOOR CLIMATE WITH OPTIMUM CONTROL