klima
underfloor heating systems

SF300 Digital thermostat
Operating instructions

Read this manual carefully and keep it with other warranty documents. Connection must be carried out by a qualified installer in accordance with local regulations. Before installing or disassembling the thermostat, always switch off the electricity in the meter cupboard. This thermostat can be installed in a single flush-mounting box 50 mm deep, according to standard DIN formats.
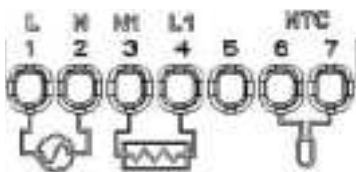

On/Off   Mode (□)   - key   + key

1. Technical details

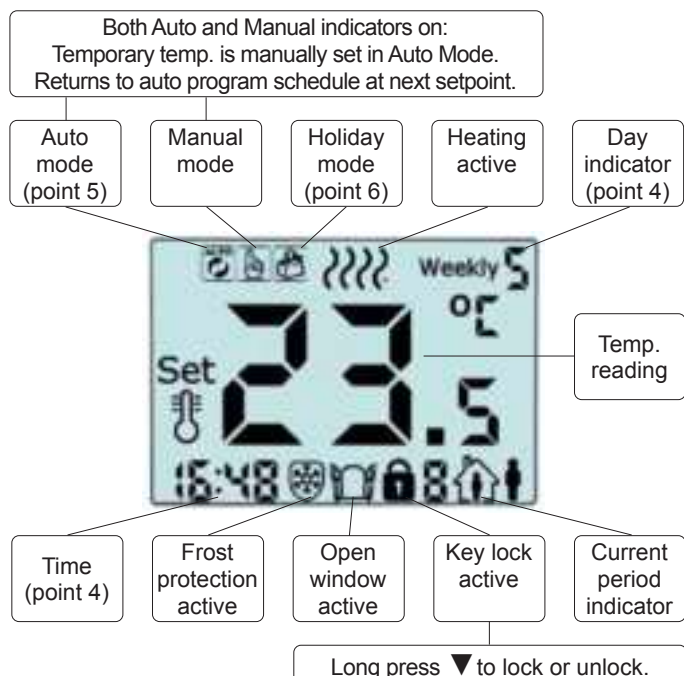|	
Power	90-240Vac 60/60Hz
Max. Load	16A/250V
Floor sensor type	10k NTC 1%
Temp. range	5°C-35°C
Accuracy	0.5°C
Cover	IP21
Warranty	2 years

2. Wiring diagram

1 Power supply (Line)
2 Power supply (Neutral)
3 Heating cable wire 1*
4 Heating cable wire 2*
5 N/A
6-7 Floor sensor connection

* Order Heating wire 1 and 2 does not apply.
EARTH: Connect the earth of the heating cable and the earth of the power supply outside the thermostat.

3. Display icon explainantion

Both Auto and Manual indicators on:
Temporary temp. is manually set in Auto Mode.
Returns to auto program schedule at next setpoint.

Auto mode (point 5)   Manual mode   Holiday mode (point 6)   Heating active   Day indicator (point 4)

Temp. reading

Time (point 4)   Frost protection active   Open window active   Key lock active   Current period indicator

Long press ▼ to lock or unlock.

4. Time setting
- (Thermostat on) Long press □ to enter options
- Press ▲ , choose 01 and press □ to enter
- Press ▼ or ▲ to set minutes
- Press □ to confirm and enter hour setting
- Press ▼ or ▲ to set hours
- Press □ to confirm
- Press ▼ or ▲ to set week day (Monday = 1, Sunday = 7)
- Press □ to confirm

5. Choose mode
Press □ to switch between **Auto Mode** or **Manual mode**.

6. Programming (Auto Mode)
(Thermostat on) Long press □ to enter options
press ▲ , choose 02 and then □ to enter programming
Press □ to choose hours, min. and temp. (with ▼ or ▲ and □)

There are 3 periods (6 setpoints) per day. See standard scedule for reference:

Wake up (On)	Away (Off)	Home (On)	Away (Off)	Home (On)	Sleep (Off)
Setpoint 1	Setpoint 2	Setpoint 3	Setpoint 4	Setpoint 5	Setpoint 6
06:00 20°C	08:00 15°C	11:30 20°C	13:30 15°C	17:00 20°C	22:00 15°C

7. Holiday Mode
- (Thermostat on) Long press □ to enter options
- Press ▲ , choose 03 and press □ to enter
- Press ▼ or ▲ to set days
- Press □ to confirm and enter temperature setting
- Press ▼ or ▲ to set temperature
- Press □ to confirm

8. Sensor error
When an "E1" or "E2" code is shown the sensor is wrongly connected or broken. The thermostat will stop heating until the sensor is connected correctly or replaced.

9. Advanced settings
WARNING: Changing advanced settings may cause undesired results. Please consult your installer before entering this menu!

Press the on/off button once, long press □ to enter Advanced menu A. Press □ to choose between A1 to AE. Press ▼ or ▲ to adjust.

No.	Item	Parameters	Default
A1	Measured temp. calibration	-9°C to +9°C	0.5°C
A2	Differential	0.5°C to 2.5°C	1°C
A3	Key lock	0: Half lock 1: Full lock	0
A4	Power with memory function	0: Power with memory function 1: Shutdown power after power off 2: Shutdown power after power on	0
A5	Backlight time	5 to 30 seconds	10 sec
A6	Programmable	0: 5+2 (Week 1-5 and weekend 6-7) 1: 6+1 (Week 1-6 and sunday 7) 2: 7 (Week 1-7)	0
A7	Lowest temp. setting	1 - 10°C	5°C
A8	Highest temp.setting	20-70°C	35°C
A9	Low temp.protection	1: 1°C - 10°C Function off: > 10°C Display (-----)	5°C
AA	High temp.protection	1: 35°C-70°C 2: Function off: < 35°C Display (-----)	45°C
AB	High temp. protection differential	1-9	2
AC	Running temp. of open window function	1: 10 - 20°C, 2: Function off: < 10°C Display (-----)	15°C
AD	Running time of open window function	10 - 20 min	10
AE	Reset to factory settings	Long press □ until display goes blank	-