



SHOWN: SPARK T-50 · 86 × 86 MM · ALL DISPLAY SEGMENTS LIT

WI-FI OR ZIGBEE

● SPARK T-50 · SMART THERMOSTAT

Warm floors. On your schedule.

The Spark T-50 is a round touch-screen thermostat for water underfloor heating, electric floor heating and gas boilers. Set a 7-day programme, or control it from the Tuya Smart app and by voice. Choose Wi-Fi or Zigbee.

● Wi-Fi or Zigbee

● Tuya Smart app

● 7-day programme

● 6 periods a day

● Alexa · Google Assistant

● Water · electric · gas boiler

● Capacitive touch keys

● NTC sensor

THE DISPLAY

Everything on one round screen.



FIVE TOUCH KEYS



Mode

Switch between programmable, manual and energy saving.



Clock

Set the time and the weekly programme.



Power

Turn the thermostat on or off.



Up

Raise the set temperature.



Down

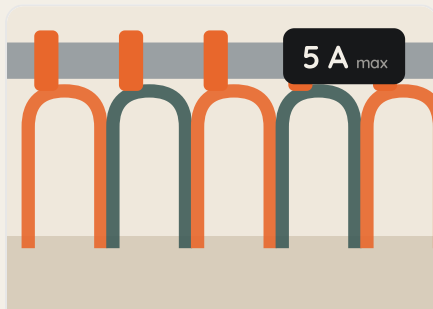
Lower the set temperature.

Capacitive touch keys behind smooth glass. The coloured ring shows where the temperature sits, from cool blue to warm orange.

STEP 1 • YOUR HEATING

Three versions. One for your heating.

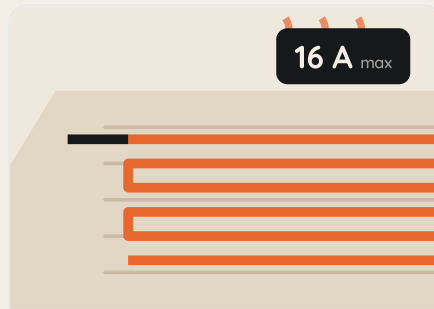
Every version has the same screen and the same features. They differ in what they switch, so pick the one that matches the heating in the home.



Version GA

Water heating

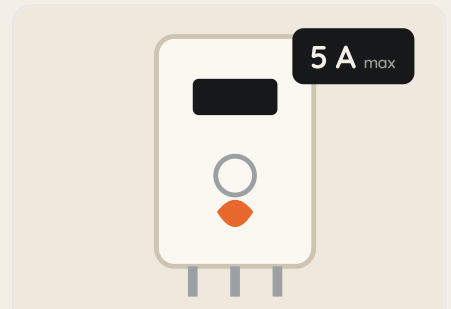
For water underfloor heating: drives the valve or actuator on the manifold.



Version GB

Electric heating

For electric floor heating: switches the heating cable or mat directly.



Version GC

Gas boiler

For gas boilers: a dry contact tells the boiler to start and stop.



NTC sensor input on every version. Use the built-in sensor, an external sensor, or both: the internal one controls the room, the external one limits the floor temperature.

STEP 2 • YOUR NETWORK

Wi-Fi or Zigbee.



Wi-Fi

Connects straight to the home Wi-Fi router. No hub needed. Control it in the Tuya Smart app from anywhere.



Zigbee

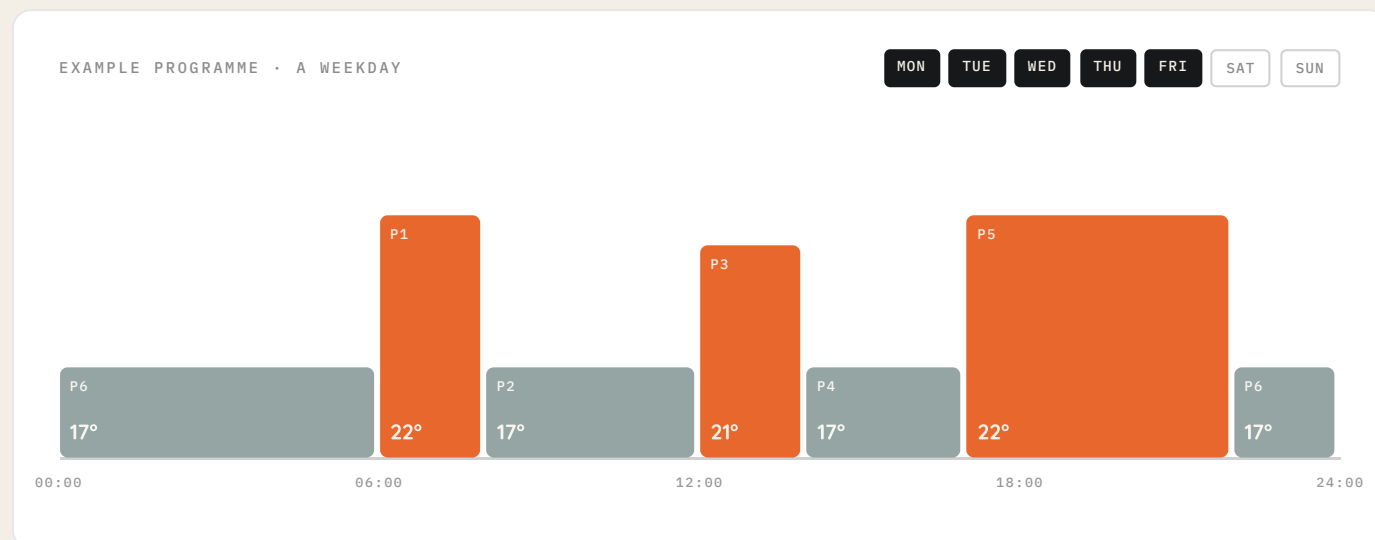
Joins the Zigbee network through a Tuya Zigbee gateway, such as the one built into Spark 7-inch and 10-inch panels.

Six combinations: GA, GB or GC, each in Wi-Fi or Zigbee. The screen, sensor and settings are the same on all of them.

7-DAY PROGRAMME

A week that runs itself.

Set up to six periods a day, each with its own time and temperature, for every day of the week. Warm when you wake up and come home, cooler while you are out and asleep.



THREE MODES · THE M KEY



Programmable

AUTO. Follows the weekly programme by itself.



Manual

Holds the temperature you set until you change it.



Energy saving

Holds a lower economy temperature to save energy.



Tuya Smart app

Change the temperature, the mode and the weekly programme from your phone, at home or away.

22°
SET TEMP



Alexa · Google Assistant

Ask for a warmer room by voice, or add the temperature to your routines.

“Alexa, set the bedroom to 22 degrees.”

SAFETY BUILT IN

Safe by design. Set once by the installer.



Frost protection

Low-temperature protection keeps the room from dropping below a temperature you set, from 0 to 10 °C.



Overheat protection

High-temperature protection limits the floor temperature, from 25 to 70 °C.



Child lock

Lock all keys, or all keys except power.



Calibrate

Correct the built-in sensor reading by up to ±9 °C.

ADVANCED SETTINGS • FOR THE INSTALLER

CODE	FUNCTION	SETTING AND OPTIONS	DEFAULT
1	Temperature compensation	−9 °C to +9 °C (internal sensor)	−1
2	Temperature deadzone	1 °C to 5 °C	1
3	Button locking	00: all keys locked except power · 01: all keys locked	01
4	Sensor type	In: internal sensor · Ou: external sensor only · AL: internal controls, external limits	AL
5	Min. set temperature	5 °C to 15 °C	05
6	Max. set temperature	15 °C to 45 °C	35
7	Display mode	00: set and room temperature · 01: set temperature only	00
8	Low-temperature protection	0 °C to 10 °C	00
9	High-temperature protection	25 °C to 70 °C	45
A	Economy mode	0: off · 1: energy saving	0
B	Economy temperature	0 °C to 30 °C	20

The installer sets these once, from the thermostat's advanced menu.

AT A GLANCE

Small on the wall. Big on comfort.



Wi-Fi or Zigbee
Two network versions.



Tuya Smart
App control.



Voice
Alexa · Google.



7-day
6 periods a day.



NTC sensor
Internal + external.

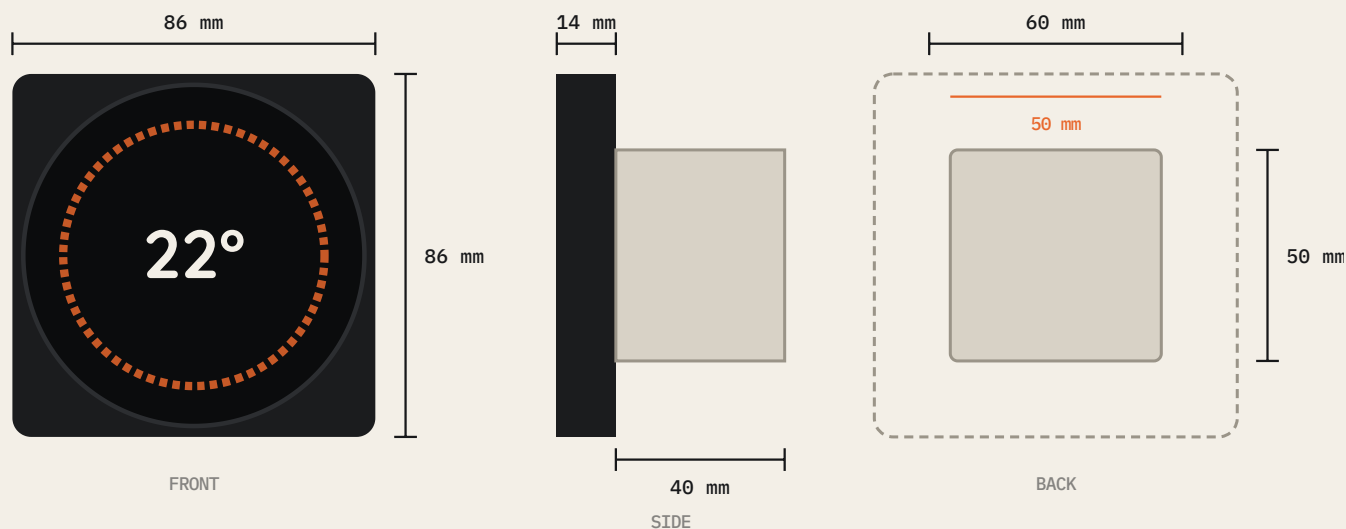


Child lock
Key locking.

SPECIFICATIONS

Model	Spark T-50	Display temp. range	5–99 °C
Network	Wi-Fi or Zigbee	Ambient temperature	0–45 °C
App	Tuya Smart	Ambient humidity	5–95 % RH, non-condensing
Voice	Alexa · Google Assistant	Storage temperature	–5 to 45 °C
Power supply	95–240 V AC, 50–60 Hz	Power consumption	< 1.5 W
Current load	5 A water heating / gas boiler · 16 A electric heating	Timing error	< 1 %
Sensor	NTC	Shell	PC + ABS, flame retardant
Accuracy	±0.5 °C / ±1 °F	Protection class	IP20
Set temp. range	5–35 °C	Keys	Capacitive touch

SIZE



PART OF THE SPARK HOME

Pair it with Spark panels, switches and the VRF Controller for heating and cooling on one app.



SMART HOME, QUIETLY INTELLIGENT. · SPARK-HOME.COM