Honeywell | T4M Thermostat
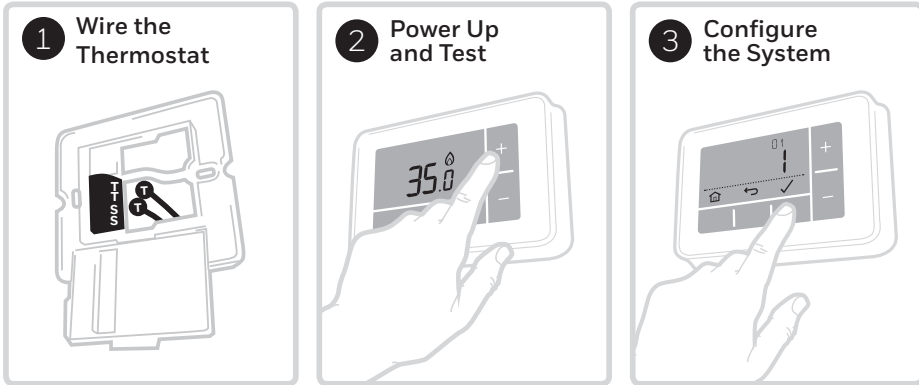Programmable Modulating Thermostat

(EN) **Quick Start Installation Guide**

Compatible with OpenTherm appliances only.
Not compatible with 230V boilers, zone valve
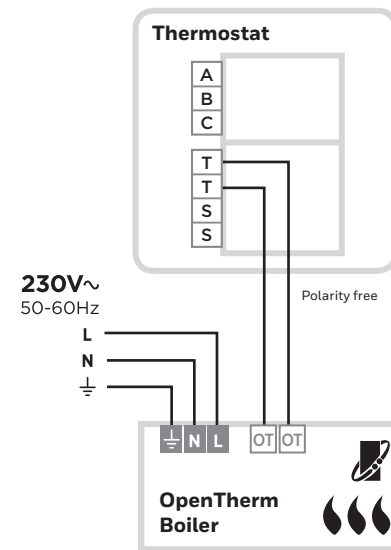applications or 230V electric heating.

OpenTherm Communication

Installation in 3 steps...

1 Wire the Thermostat

2 Power Up and Test

3 Configure the System

⚠ **Must be installed by a competent person.**
To ensure your safety make sure the mains power
is switched OFF before accessing wiring.

32318058-001 B

OpenTherm Boiler

Thermostat

| A |
| B |
| C |
| T |
| T |
| S |
| S |

230V∿
50-60Hz

Polarity free

L
N
⏚

⏚ N L OT OT
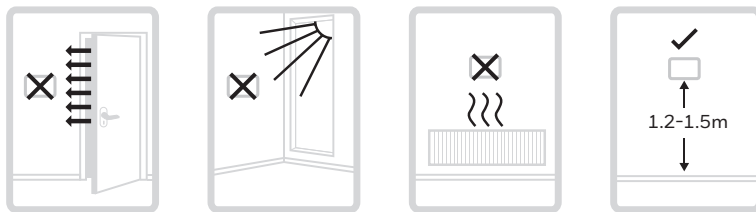
OpenTherm Boiler

⚠ **To prevent a short circuit from a loose wire –**
- **When using multi-core cables:** Only remove enough outer insulation to allow secure fixing of the cores into the terminal block.
- **When using single core cables:** Secure them together with a cable tie as close as possible to the terminal block.
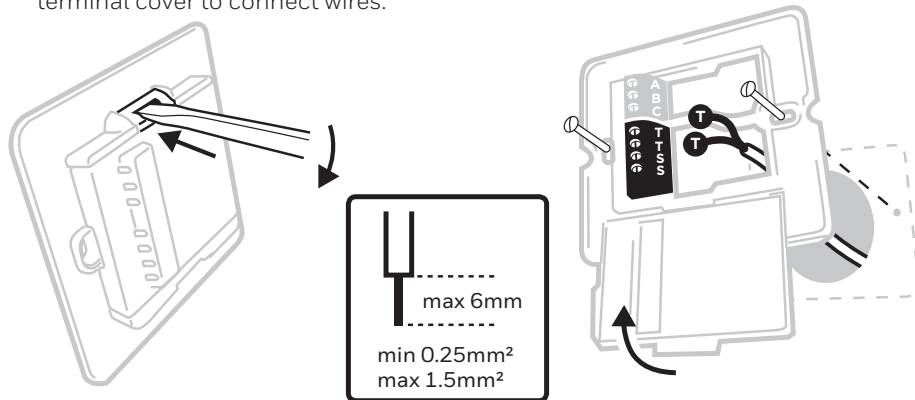
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1 Wire the Thermostat

Find a suitable wall location away from draughts,
direct sunlight or other heat sources, and where cables
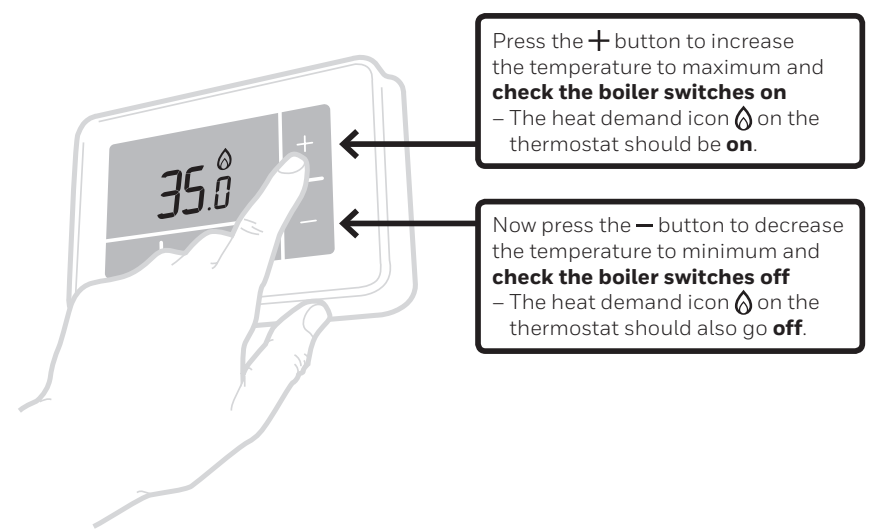can be run from the boiler to the thermostat.

1.2-1.5m

A) Separate the wallplate from
the thermostat, and using a
screwdriver open the wallplate
terminal cover to connect wires.

B) Connect wires according
to wiring diagrams and
clip the cover closed.

max 6mm

min 0.25mm²
max 1.5mm²

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2 Power Up and Test

Power Up the Heating System and do a quick functional test
on the thermostat to check that it switches the boiler.

35.0

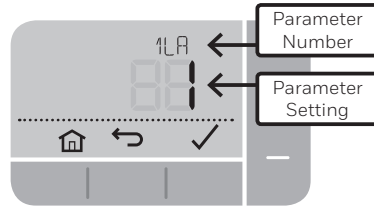Press the ＋ button to increase
the temperature to maximum and
check the boiler switches on
– The heat demand icon ◊ on the
thermostat should be **on**.

Now press the ▬ button to decrease
the temperature to minimum and
check the boiler switches off
– The heat demand icon ◊ on the
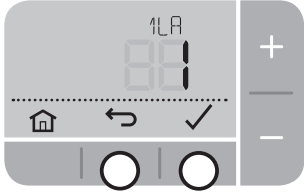thermostat should also go **off**.

③ Configure the System

Specific settings for the thermostat and heating system can be configured in the advanced menu.
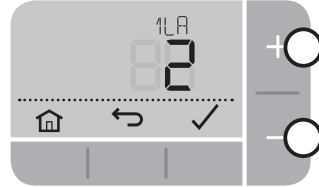
Press and hold ≡ and then ✚ buttons together until the display changes (approx. **3 seconds**).
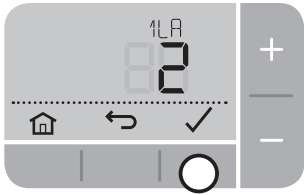

Parameter Number
Parameter Setting

A) Press ✓ and ⬑ buttons to navigate through the parameter list
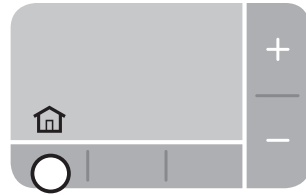

B) Press ✚ and ▬ buttons to change a parameter

C) Press ✓ button to save the change (or press ⬑ to cancel the change)

D) Press ⌂ button to exit advanced menu and save any changes

Parameters

N°	Description	Settings (default in bold)
1 LA	Language	**1 = EN**, 2 = NL, 3 = DE, 4 = FR, 5 = ES
4 LL	Lower Temperature Limit	**5** - 21 (°C)
5 UL	Upper Temperature Limit	21 - **35** (°C)
6 SO	Schedule options	1 = 7 day (different schedule each day of the week) **2 = 5 + 2 day (weekday + weekend schedule)** 3 = 1 day (same schedule every day)
7 NP	Number of periods per day	**4** or 6
8 SS	Wired Remote Sensor	**0 = No Remote Sensor**, 1 = Wired Remote Sensor
9 LC	Fail Safe mode	**0 = Boiler off**, 1 = Boiler 20% on / 80% off
10 BL	Backlight	0 = Off, **1 = On (only on demand)**
11 CL	Clock Format	**0 = 24 hr**, 1 = AM/PM
12 DS	Daylight Saving time change	0 = Off, **1 = Auto**
13 TO	Temperature Display Offset	+/-1.5°C
15 SD	Restore Schedule Defaults	**0**, 1 = reset
16 FS	Restore Factory Settings	**0**, 1 = reset

OpenTherm Data ID's

N°	Description	Settings (default in bold)
OT1	Low load control	0 = Off, **1 = On**
OT2	Control setpoint	5 - 99°C
OT3	Supply water temperature	5 - 99°C
OT4	Return water temperature	5 - 99°C
OT5	Max. supply water temperature	5 - 99°C
OT6	Hot water temperature	5 - 99°C
OT7	Hot water setpoint	5 - 99°C
OT8	Actual power	0 - 99%
OT9	Water pressure	0.0 - 9.9
OT10	OTC control	**0 = Off**, 1 = On
OT11	OTC curve	4 - 40 (**16**)
OT12	Room compensation	**0 = Off**, 1 = On

Troubleshooting

What's happening?	What it could mean...	How to fix it...
Thermostat display is blank	No power to heating system	Check heating system is powered
	Faulty wiring connection	Check wiring at thermostat and boiler terminals
Display = ⚠ ▬ ▬	Faulty temperature sensor	Replace thermostat or check wiring to remote temperature sensor if fitted
Thermostat shows heat demand ◊ but boiler doesn't respond	Boiler (water) already at temperature	Normal behaviour - wait for water temperature to drop
	Faulty wiring connection	Check wiring at thermostat and boiler terminals

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