



M SERIES
DIAL THERMOSTAT



SETUP GUIDE

Contents

Getting Started	3
Installation	4
Thermostat Dimensions	4
Wiring Diagrams	6
Water Underfloor Heating / Radiators	6
Electric Underfloor Heating / Electric panel heaters	7
Set-Back	8
Thermostat Layout	9
Sensors	10
A & F	10
Switching Differential	11
Troubleshooting Guides	12
Set-Back	12
Error Codes	13
Description	14
Notes	15

Getting Started

Your M Series thermostat is an easy to use dial thermostat that has the ability to use a secondary floor sensor (sometimes called a floor probe) to control underfloor heating systems.

The best practice when using this thermostat is to find a low temperature (e.g. 18°C) and turn it up slowly each day until the temperature is comfortable. This method also helps to save energy and money.

Please note that this thermostat has an in-built air sensor to detect the ambient temperature of the room. Putting the thermostat behind curtains, blocked by furniture or near appliances that generate heat could cause the thermostat to malfunction.

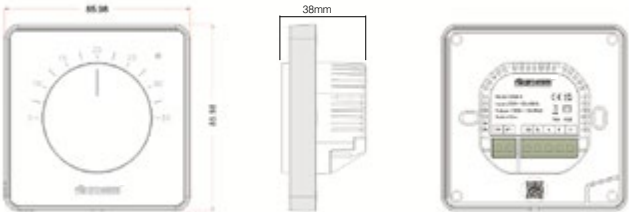
Installation

For best results, make sure your thermostat is:

- Installed between 1.2 - 1.5 metres high
- Not near a direct heat source (as it will affect sensor functionality)
- Not in direct sunlight (to prevent false temperature readings)

Please note the M Series thermostat is designed to be flush mounted and require a back box depth of 35mm (minimum) to be sunk into the wall prior to installation.

Thermostat Dimensions



1 Loosen bottom fixing screw to remove the front panel of thermostat.

2 Connect the thermostat according to the wiring instructions.

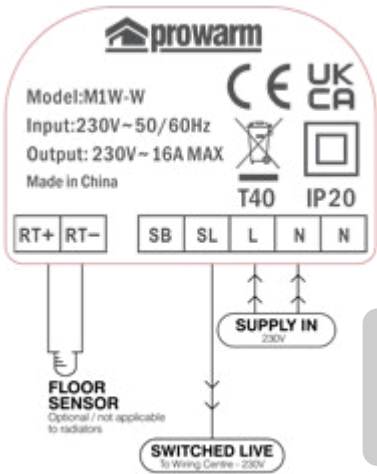


3 Fix the back panel onto the back box with the provided screws.

4 Hook the top of the face plate on the back plate (1), clip the bottom in (2) and tighten up bottom screw.

Wiring Diagrams

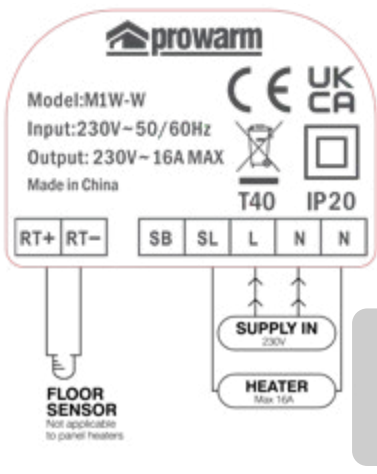
Water Underfloor Heating / Radiators



Note:
This diagram is also applicable to 230V Boiler switching

Wiring Diagrams

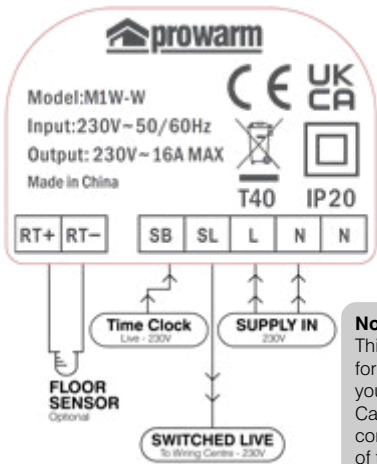
Electric Underfloor Heating / Electric panel heaters



Note:
This diagram is also applicable to other electrical heaters

Wiring Diagrams

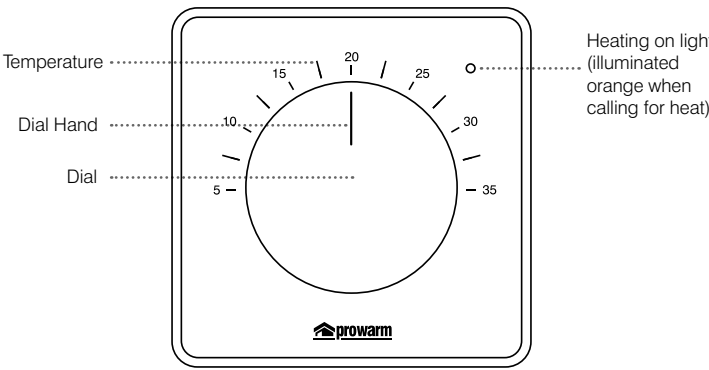
Set-Back



30mA protected supply required

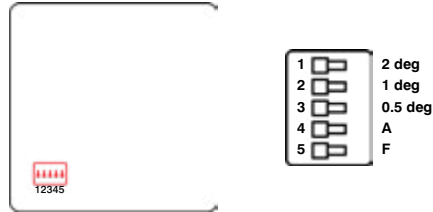
Note:
This is recommended for efficient use of your heating systems. Can be used in conjunction with any of the previous wiring diagrams.

Thermostat Layout



Sensors

The M Series thermostat comes with different sensor options. To find these options unscrew the front plate (from bottom screw) and carefully lift it off. On the inside of the front plate there are a 5 small toggle switches.



A & F

The first switches are A & F (Air and Floor). These control which sensors the thermostat uses. The thermostat can use both at the same time and will stop using the floor probe one 28°C has been reached.

Switch on A only / Switch off A & F	Uses the in-built air sensor for ambient temperature.
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Switch on F only	For use with underfloor heating. Must use floor probe provided (No room temperature reading).
Switch on A & F (Default)	This mode monitors the room temp and the floor temp. Heating is controlled using the air sensor with a floor limit of 28°C (this protects the floor from overheating).

Switching Differential

This determines how accurate the thermostat's temperature gauge is. Choose between 0.5°C, 1.0°C & 2.0°C to determine how far the temperature can differ either side of the target temperature before the thermostat switches on/off.

0.5 (Defaults to this if all set to off)	±0.5°C tolerance
1	±1°C tolerance
2	±2°C tolerance

If more than one switch is activated, the thermostat will use the biggest option selected (i.e. 0.5 + 1 = 1 / 1 + 2 = 2 / 0.5 + 1 + 2 = 2).

Set-Back

When paired with a time clock wired into the SB port, the M Series will revert back 4°C when the time clock sends a signal. This can be used on a timer function to enable efficient control of the heating when away from home which can help save on heating costs.

Troubleshooting Guides

Need some more help with your thermostat? Scan the QR Code below to view our installation guides and manuals for extra support. Contact us if you are still unsure for expert help.



Scan here for install guides and manuals

Error Codes

If the thermostat encounters an error, the thermostat's heating light will flash. We strongly recommend calling us to fix any thermostat problems.

Call us on 01268 567019

Orange LED Flashes once a second: Indicates an issue with the potentiometer or an internal sensor short circuit/problem.

Orange LED Flashes once every 3 seconds: Indicates that the floor probe is disconnected when the device is in F or AF mode.

Description

This product is temperature controller, with the heating network in the home and office as the indoor environment temperature control.

Case material: PC940 V0

Weight: 80g

Input Voltage: 230VAC 50Hz

Standby power consumption: <60uA

Working environment: 0°C ~ +50°C

Rated Output Current: 3A

Storage environment: -20 °C ~ +85°C

Humidity: 0~90% RH (non-condensation)

ESD standard: Contact discharge 4kV, air discharge 8kV

Get in touch



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