



plugwise Floor

The right temperature,
at the right moment with
underfloor heating

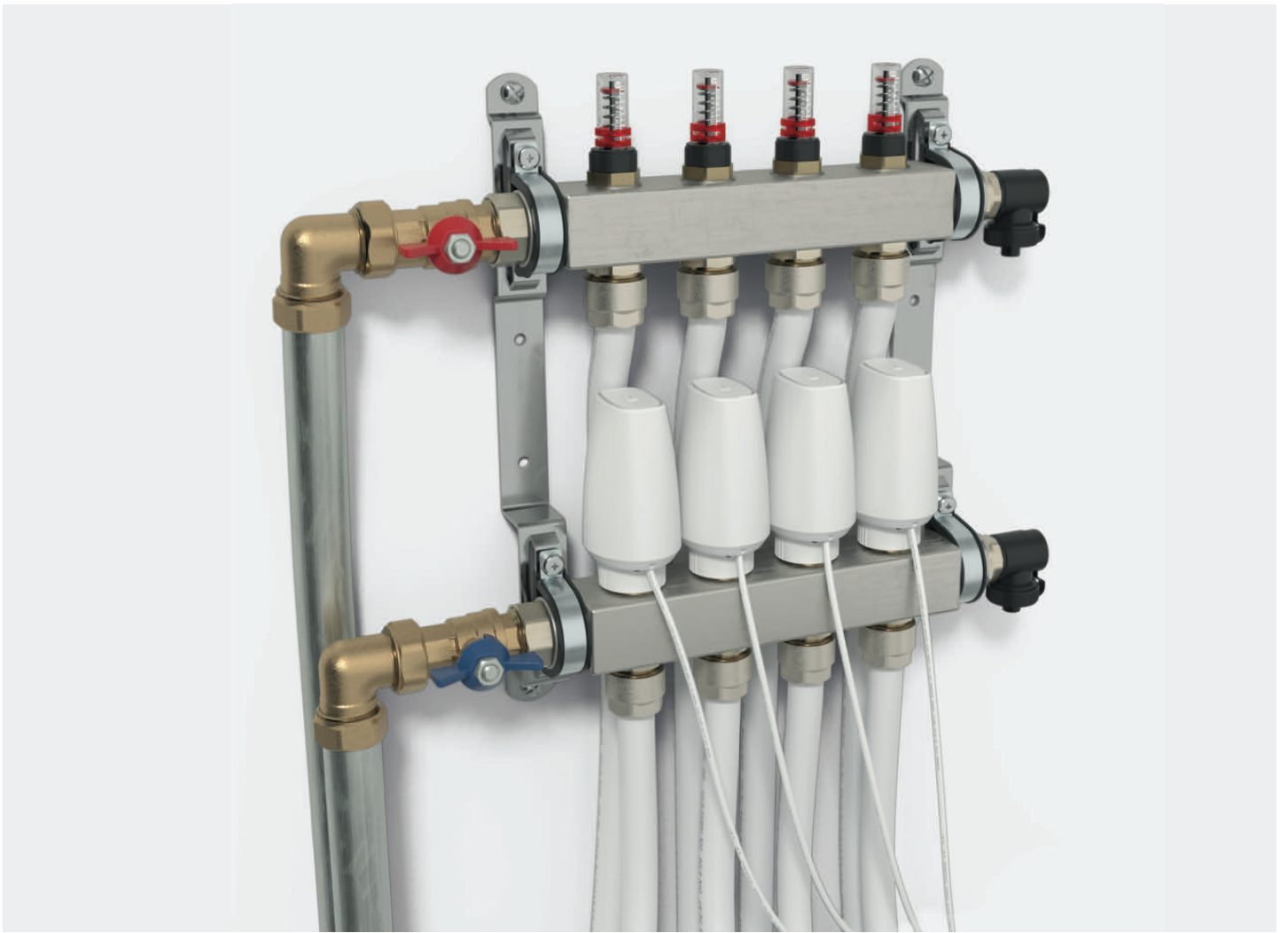
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Always and everywhere the right temperature

With Floor you no longer have to set the entire house at one temperature but you can easily set the desired temperature for a specific room. This can be done according to a schedule, or manually via the Plugwise Home app or via Lisa.

- » Constantly adjusts the radiator or underfloor heating for a stable room temperature.
- » Enables separate heating zones with their own schemes.
- » Powered via a USB adapter.
- » Operable via the Plugwise Home app or Lisa.
- » Is controlled by Adam.
- » Communicates wirelessly according to the open ZigBee standard "Home Automation 1.2" (HA 1.2).
- » Is childishly simple to operate.



Suitable for underfloor heating

Due to its narrow and sleek design Floor is perfect for underfloor heating distributors with a center distance of 50mm or larger. This makes Floor suitable for almost every distributor. Install a Floor on each group and connect them in the Plugwise Home app per room to make it a zone. From that moment on, customized comfort is possible.

Consider, for example, you want the baby room at 17 °C, the living room at a comfortable 20 °C, and the empty guest room at a high enough 14 °C .



Save up to 15% energy

Thanks to Floor you can only heat where necessary and not more than necessary. Is the fireplace burning or is the sun shining on the windows, Floor takes it into account. This way you can easily save up to 15% on your heating cost.

Makes every boiler efficient

The colder the water that flows back into your boiler, the higher the efficiency. Because you measure and regulate the heat per room with Floor, the hot water in the radiator and underfloor heating is maximally utilized. This improves the efficiency of your boiler, whichever brand or type it is. Floor fits most floor heating distributors and radiators.



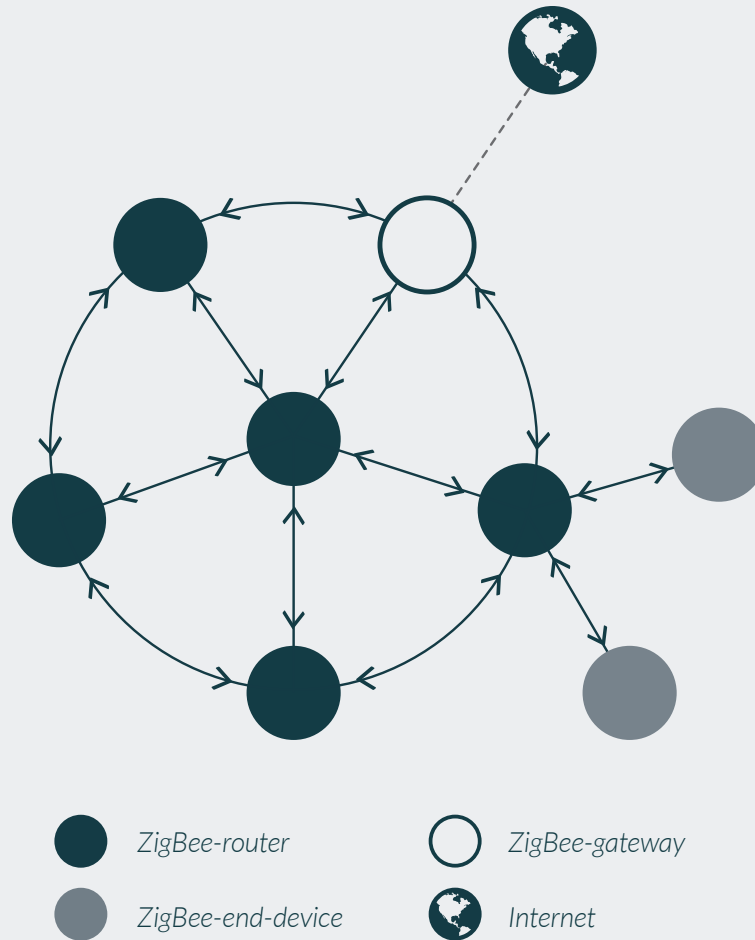
Decentralized heating

A frequently heard objection to block, district heating is the limited temperature control. Install Floor on an underfloor heating distributor and you finally have customized comfort.

Do not forget the living room

The thermostat that controls the central heating is usually placed in the living room. If you lower it there, the temperature will go down in the entire house. Thanks to Floor this is no longer the case. This however means that the underfloor heating and the radiator(s) in the living room must all be fitted with our smart radiator valves Tom or Lisa.

Suppose you only want to heat the study upstairs. Then you want the hot water to skip the living room. Floor takes care of that. Interested to learn if Floor also works with your thermostat? Send us a message and we will let you know.



Easy to install

Floor is suitable for almost all radiators where the existing radiator valve can be disassembled as well for underfloor heating distributors. Floor is equipped with an M30x1.5mm adapter ring. In addition two adapter rings are supplied for the two other most common connections: M28x1.5mm and the Danfoss RA connector.

Please know that adapter rings are available for almost all other radiator connections. Your installer knows all about it.

Power supply via Adapter

Floor needs electricity. That is why we also supply an adapter for 100-240V power supply.

Power supply via adapter

- » Acts like a ZigBee router.
- » Is always 'online' and connectable to other ZigBee modules.
- » Strengthens the signal and the quality of the ZigBee network.
- » Forwards messages to connected ZigBee end-devices.



Expand with Lisa

If you want to be able to operate your zone heating independently from your smartphone, get Lisa into the house. You can easily hang this ingenious control screen on the wall, but you can also position it, for example, on a table with the supplied foot.

Dutch design

Plugwise is a down-to-earth Dutch company that develops products for the whole family. We believe that comfort and energy saving is a collective goal. That is why we make products that excel in simplicity for young and old. We are convinced that “Less features is more joy”.



ZigBee certified

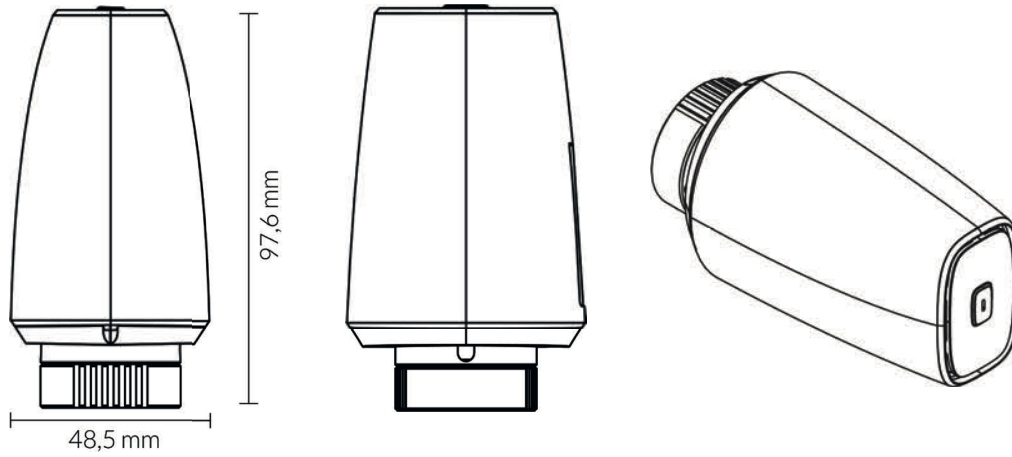
Floor is Zigbee certified, (Zigbee is the globally accepted wireless communication protocol for Smart Home products). Think of it as a kind of WiFi, but for a wide range of products in the areas of comfort, convenience, safety and energy management. This means that Floor's control can, in the future, be included in more and more Smart Home solutions.

Zigbee integration, comfort geeks only

In case you wish to integrate Floor with your Home Automation 1.2. gateway, you can use the following HA 1.2 clusters and commands:

All mandatory commands within the mentioned clusters are supported.

Cluster	Optional commands
Basic	Application version
	Hardware version
	Manufacturer name
	Model identifier
	Date code
Power configuration	Battery percentage remaining
	Battery size
Basic	-
Power configuration	Battery quantity
Identify	-
Groups	-
Scenes	-
Time	-
Thermostat	Occupancy
	Pi heating demand (valve position %)
	Local temperature calibration
	Remote sensing
	Start of week
	Number of weekly transitions
	Number of daily transitions
	Thermostat programming operation mode
Temperature measurement	-
Occupancy sensing	-
Ota	-



The specifications

Dimensions

- » \varnothing 48.5 x 97.6 mm

Interface

- » 1 mechanical button
- » 1 two-color LED light

Sensors

- » Temperature

Power

- » Micro-USB (5VCD)

RF-communication

- » ZigBee Home Automation 1.2
- » Frequency: 2.400-2.483,5 MHz. (16 hannels/2.4 GHz ISM band)

Storage & memory

- » 512 kB

Power consumption

- » Average: < 0,1W
- » Max: 3 Watt

Lifespan

- » 100.000 cycles
- » Operational temperature: 0 - 50°C
- » Measuring accuracy: 1°C
- » Measuring range: 4 - 30°C

Compatibility

- » M30
- » M28
- » Danfoss RA

Environment

- » RoHS
- » Recyclable packaging
- » Renovation program available

Guarantee

- » 2 years

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