

# Product Data Sheet

2/13/2025

Electronic Controls

## Unisenza Floor Sensor

UK - Myson



- Floor temperature detection
- 3 m long cable
- Compatibility with thermostats
- Precision and reliability
- Extended 5 year warranty

## Description

Myson's Unisenza Floor Sensor is an NTC sensor 10 kOhm for floor temperature detection, suitable for the Unisenza Digital and WiFi thermostats. The connection cable is 3m long. An extended warranty of 5 years applies to all Unisenza products.

## Area of Application

The Unisenza Floor Sensor is suitable for floor temperature detection using a 10 kOhm NTC sensor. It is designed for use with Unisenza Digital and WiFi thermostats and includes a 3m long connection cable, making it highly efficient in residential and commercial floor heating systems.

## Selection Criteria

For selecting the product or calculating the system, please use our technical documents, product manuals, our design service, or contact us via email or phone.

## Basic User Instructions

Place the probe close to the area you want to use as a controlling reference for the thermostat. The sensor is specifically designed for the Unisenza Digital and WiFi thermostats, ensuring accurate floor temperature detection. A 3m connection cable is provided for flexibility in installation.

## Prescription text specifiers

Unisenza floor sensor as a 10 kOhm NTC sensor for floor temperature measurement, suitable for Unisenza Digital and WiFi thermostats. It includes a 3m long connection cable, providing flexible installation options. The sensor guarantees precise and reliable temperature detection, essential for efficient floor heating systems. An extended warranty of 5 years applies to all Unisenza products, ensuring long-term reliability and customer satisfaction.

## Warranty

For your additional peace of mind, Purmo Group gives the following Warranty against manufacturing defect. Your statutory rights are not affected by this Warranty.

Subject as provided below, Purmo Group warrants to the original purchaser at the original installation site that its products will be free from defects in materials and workmanship for the following periods:

- Hydronic Radiators: 10 years from date of purchase.\*
- Fan Assisted Radiators (ULOW-E2): 2 years from date of purchase.\*
- Fan Convectors: 2 years from date of purchase.
- Hydronic Underfloor Heating: 10 years for the pipe from date of purchase.
- Hydronic Underfloor Heating: 2 years on accessories, actuators, ball valves, controls, expansion vessels, fittings, low loss headers, manifolds, mixer control groups & tooling from date of purchase.
- Hydronic Underfloor Heating: 12 months on all pumps from date of purchase.
- Electric Underfloor Heating: 10 years from date of purchase (except programmer & sensor).
- Electric Radiators and Towel Warmers: 2 years from date of purchase.\*
- Hydronic Towel Warmers: 5 to 10 years from date of purchase depending on product type.\*
- Myson Radiator Valves and Controls: 2 to 5 years from date of purchase, depending on range.

\*Products which are exposed to prolonged extreme conditions, such as high humidity or severe cold/condensation, may be subject to deterioration. This is not a result of any manufacturing defect. Products installed in these circumstances will be subject to a warranty period of twelve months only.

The original purchaser's remedy for breach of this Warranty is expressly limited to repair or replacement of any part or parts found to be defective under conditions of normal service and use during the above Warranty period and does not extend to Purmo Group being liable for any incidental, special or consequential damages or losses whatsoever, such as loss of use of the

product, inconvenience or lost profits.

This Warranty does not cover any defect, damage or malfunction in the product which is due to: failure to comply in any respect with Purmo Group's installation, maintenance or operating instructions; faulty storage,

handling, installation or repair; mis-use; neglect; accident; abuse; or general wear and tear.

Before this warranty can be activated, the original purchaser will be required to prove, with supporting documentation, the date and place of purchase, as Purmo Group may need to conduct its investigation into

the alleged defect. This should be within 28 days of the date when the defect was discovered or ought to have reasonably discovered the defect.

Purmo Group reserves the right to make a reasonable charge for inspecting and testing any product which is subject to a Warranty claim and the rights conferred by the Warranty are conditional upon the payment of such charge. The charge may be made, at Purmo Group's discretion, either before or after the inspection and testing of the product. In the event that it is established to Purmo Group's reasonable satisfaction that a valid Warranty claim has been made in respect of the product, then any inspection charge which has been paid will be refunded in full by Purmo Group.

# Specification

Feature	Unit	Value
Etim Class		EC004240 - Sensor (HVAC)
Scope of application		Room
With mounting material		No
Suitable for wall mounting		No
Suitable for ceiling mounting		No
Suitable for duct mounting		Yes
Suitable for tube mounting		No
Suitable for air		Yes
Suitable for liquids		No
Suitable for gases		No
With housing		No
Cover attachment		Other
Sensor element inside housing		Yes
Sensor element outside housing		No
Fixed cable to sensor		Yes
Cable length	Metre (m)	1.5
Sensor length	Millimetre (mm)	30
Insert length	Millimetre (mm)	30
Diameter sensor element	Millimetre (mm)	6
Material element		Other
Technology		Other
Active temperature measurement		No
Passive temperature measurement		Yes
Average temperature measuring		No
Number of measuring points		1
Measurement of CO2		No
Measurement of VOC		No
Measurement of relative air humidity		No
Measurement of absolute air humidity		No
Enthalpy measurement		No
Measurement of dewpoint		No
Particulate matter measurement (PM)		No
CO2 measuring range min	parts per million (ppm)	-
VOC measuring range min	parts per million (ppm)	-
Temperature measuring range min	Degrees celsius (°C)	-
Measuring range relative air humidity min	Percentage (%)	-
Measuring range absolute air humidity	Gram per cubic metre (g/m <sup>3</sup> )	-

Feature	Unit	Value
min	Gram per cubic metre (g/m <sup>3</sup> )	-
Enthalpy measuring range min	Kilojoule per kilogram (kJ/kg)	-
Dewpoint measuring range min	Percentage (%)	-
Particulate matter measuring range (PM) min	Microgram per cubic metre (µg/m <sup>3</sup> )	-
Offset setting possible		No
Trend representation		No
Error registration possible		No
Sensor type		NTC, 10K
Tolerance	Percentage (%)	5
Potentiometer with adjustment knob		No
Supporting protocol for BACnet		No
Supporting protocol for Modbus		No
Supporting protocol for MP (multi point)		No
Supporting protocol for KNX		No
LoRa technology		No
NFC (Near Field Communication)		No
Bluetooth		No
Wi-Fi-compatible		No
Standby push button		No
Wireless		No
With display		No
Type of power supply		Other
Type of electric connection		Other
Rated supply voltage AC min	Volt (V)	-
Rated supply voltage DC min	Volt (V)	-
With reverse polarity protection		No
Scope of application, flow speed medium min	Metre per second (m/s)	-
Ambient temperature min	Degrees celsius (°C)	-
Explosion-proof		No
Degree of protection (IP)		IP65
Housing colour		White
UV resistant		No
Compatible with Apple HomeKit		No
Compatible with Google Assistant		No
Compatible with Amazon Alexa		No
IFTTT support available		No

# Resources

Document Description	Document Type	Link
Unisenza Brochure ENG	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_89ca48f5-6d06-4edf-aa44-d46cdb6852e8">https://asset.productmarketingcloud.com/api/assetstorage/3577_89ca48f5-6d06-4edf-aa44-d46cdb6852e8</a>
Myson Complete Solutions - Full Brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b">https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b</a>
Range brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_3e6c4df2-7006-4133-88db-1026c6c421d2">https://asset.productmarketingcloud.com/api/assetstorage/3577_3e6c4df2-7006-4133-88db-1026c6c421d2</a>

# Items

Local Code	Global Item Code	Item Description
50440	EFZ4SZZWSNTMM2N0	Unisenza Floor Sensor