

ENGO

EFS

Temperature Sensor



EFS300

Quick Guide

Ver. 1.2

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ENGO
CONTROLS

Producer:

Engo Controls sp. z o.o. sp. k.

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Poland

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Product Compliance

This product complies with the following EU Directives:
RoHS 2011/65/EU.

Safety Information

Use in accordance with national and EU regulations. Use the device only as intended, keeping it in a dry condition. The product is for indoor use only. Please read the entire manual, before installation or use.

Installation

Installation must be performed by a qualified person with appropriate electrical qualifications, in accordance with the standards and regulations in force in a given country and in the EU. The manufacturer is not responsible for non compliance with the instructions.



ATTENTION:

For the entire installation, there may be additional protection requirements, which the installer is responsible for.

Introduction

Floor sensor
(e.g. for installation in the floor)
recommended as a protection
sensor for underfloor heating.
Compatible with thermostats:

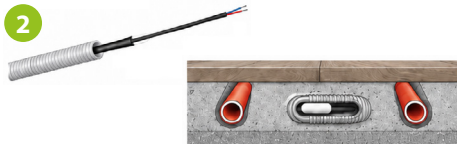
- E10-W, E10-B
- EONE-230W, EONE-230B
- EONE-BATW, EONE-BATB
- EONE-16W, EONE-16B
- E55-W, E55-B
- EFAN-230W, EFAN230B
- EFAN-24W, EFAN24B
- EFAN-RFW, EFANRFB



Floor Sensor Installation



Install the sensor in the central part of the heating zone, away from doors, windows, walls and furniture. Do not install the sensor in corners or in covered/obstructed areas.



Place the sensor inside a sealed protective conduit routed from the thermostat back box to the floor. Lay the conduit with the sensor between the underfloor heating loops, approx. 1–2 cm below the final floor surface.

The sensor must not touch the heating pipe. Install the conduit in a way that allows the sensor to be replaced if necessary.

Connection to the Thermostat

Before connecting the sensor, disconnect the power supply to the thermostat.

Connect the sensor wires to the external sensor input — polarity is not important.

The product is compatible only with suitable thermostats. After connection, set the correct sensor input function in the thermostat.

Technical data

Sensor type	NTC 10 k Ω
Measurement range	-10 to 80 °C
Przekrój przewodu	2x0,5mm ²
Polarity	None
Compatibility	ENGO thermostats with an external sensor input
Application	Temperature measurement

