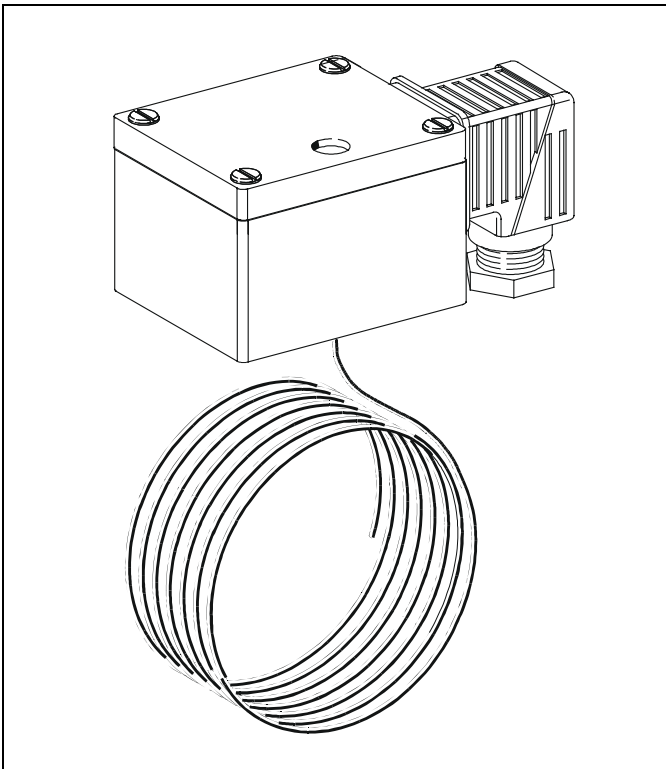


## LF24

### TEMPERATURE SENSOR & TRANSMITTER

#### PRODUCT DATA



#### FEATURES

- Calculates average temperature from values measured
- 3.6 m long aluminium sensor coil
- Measures temperature over whole length of sensor coil
- Simple mounting
- Mounting flange provided

#### SPECIFICATIONS

<b>Dimensions (mm)</b>	65 x 72 x 61.5 mm
<b>Weight</b>	350 g
<b>Ambient operating limits</b>	0 ... 50 °C
<b>Ambient storage limits</b>	- 10 ... + 50 °C
<b>Measuring element</b>	PT 100
<b>Measuring range</b>	0 ... 30 °C
<b>Output</b>	0 ... 10 V
<b>Sensor coil length</b>	3.6 m
<b>Minimum coil radius</b>	100 mm
<b>Coil sensing range</b>	- 45 ... +150 °C
<b>Power supply</b>	24 V AC $\pm$ 20 % or 24 V - 36 V DC
<b>Power consumption</b>	max. 1 W
<b>Protecting standard</b>	IP 65
<b>Mounting</b>	Directly in the air duct using the flange provided.

**NOTE:** Distribute the sensing coil evenly across the whole diameter of the air duct to ensure temperature is measured accurately.

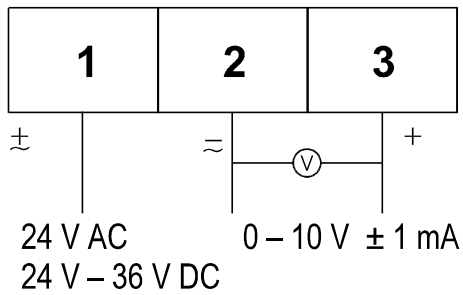
#### GENERAL

LF 24 is a temperature sensor and transmitter that has been designed for mounting inside air ducts. The sensing coil consists of a PT 100 resistor capable of measuring temperatures over its entire length of 3.6 m.

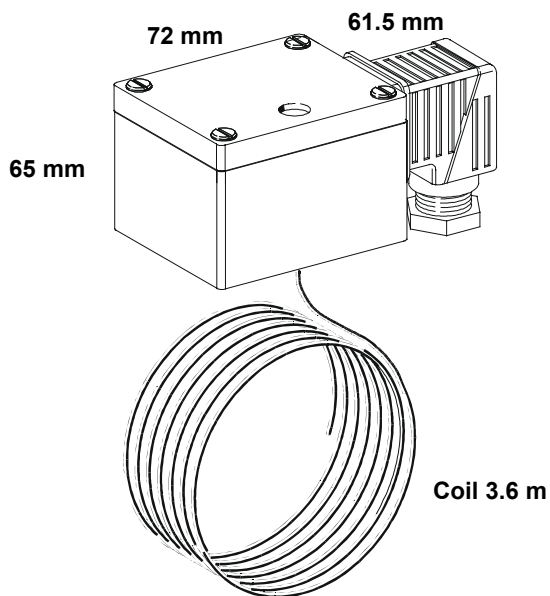
The sensor then calculates the average temperature and converts this into a proportional output signal. This facility makes the LF 24 particularly suitable for use in air ducts where different layers so air may have different temperature, for example in mixing chambers or next to heating units.

## ELECTRICAL CONNECTION

Plug according to DIN 43650 as follows:



## DIMENSIONS



**Honeywell**

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Manufacturing location certified to

**DIN EN ISO**  
**9001/14001**