

# SENSOR BOX VF1

The VF1 sensor box allows you to mount temperature sensors and other types of sensors and actuators on the wall. For use with thermostats, heat pumps etc.

A splash proof internal connection compartment makes the enclosure ideal for bathrooms and similar locations.

May be mounted directly on to the wall or on to a standard wall box.

Standard installation cables may be used and connected to a sensor using suitable connectors.

The enclosure in general is rated as IP30, but the internal connection compartment has an IP34 rating. Higher IP ratings can be achieved by using sensors with higher IP ratings.

Using individually mounted temperature sensors often results in better temperature control since the sensor is not affected by heat from the control or the appliance.

Modern thermostats with P or PI control are preferable when used to control floor heating elements using an air temperature sensor.



Figure 1. Example 1

Seal the hole through the wall and do not use a flush mount wall box for  $\geq$ IPX1. IP67 can be achieved if the sensor/cable is IP67

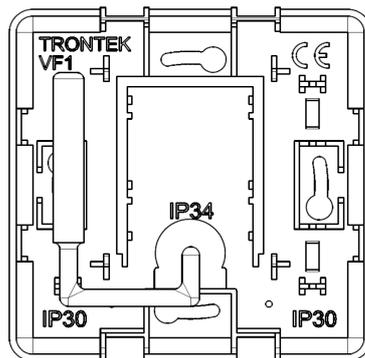
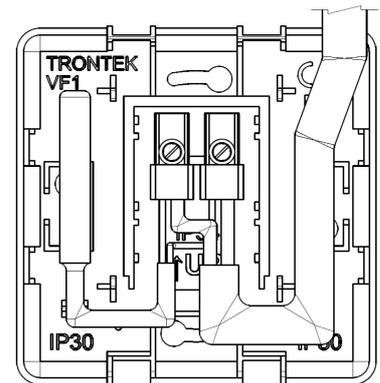


Figure 2. Example 2

Sensor class 1 or 2:  
For  $\geq$ IPX1 the sheaths of both cables should extend into the connection compartment. IP34 is achieved if the cable/sensor is IP34.



## Technical data:

Dimensions: 84x84x20mm

Colour: Polar white

Mounting: On the wall or onto flush mount wall box (60mm c-c)

Max. sensor size: Approx. 8x50mm

Standard: EN60670-1

IP rating:

Outside connection compartment: IP30 (see figure 3)

Inside connection compartment: IP34

Mounted onto flush mounted wall box: IP30 max.

Higher IP rating can be achieved by using a sensor with a higher IP rating.

Type designation: VF1-P

GS1 art. no.: 7070772 00026 6

Packaging: 1 pc.

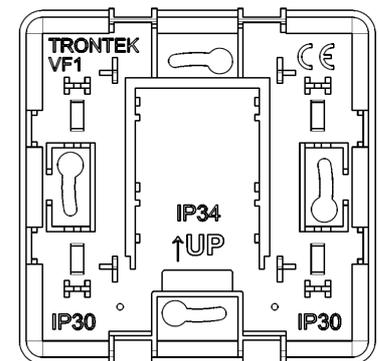


Figure 3

The box gives IP34 protection in the connection compartment and IP30 elsewhere.

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