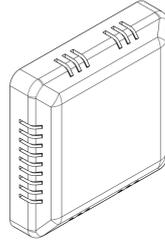


TRONTEK VF1 sensor box

MOUNTING INSTRUCTIONS

VF1 is a simple wall box for mounting temperature sensors and other types of sensors and actuators. The box has a splash-proof compartment for connecting devices.



Technical data

Mounting: On the wall or onto flush mount wall box
 Max. sensor size: Approx. 8x50mm
 Standard: EN60670-1
 IP rating:

Outside connection compartment: IP30 (see figure 1)
 Inside connection compartment: IP34
 Mounting onto flush mounted wall box: IP30 max.

Mounting

The box can be opened by using a tiny flat screwdriver in the two drain holes and pushing outwards so that the cover comes off the hooks. If mounted on the wall: put the screwdriver in the slots above the drain holes and push outwards.

Figure 1

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

The IP rating achieved will be the highest of the sensor/cable's IP rating and the IP rating of this box.

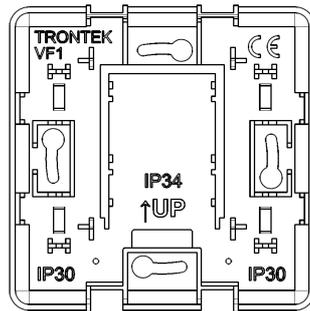
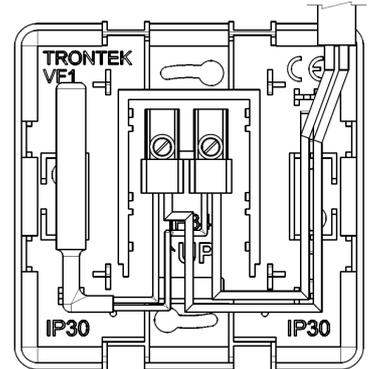


Figure 4

Sensor class 1 or 2:
 Single conductors should have a 3mm clearance to the fixing screws. IP30 is achieved.



Cable installation	Sensor protection	Req. IP rating	Figure
Sensor with moulded cable coming in through a hole through the back			2
Sensor with moulded cable mounted on the wall			3
Sensor connected using connecting devices	Class 1 or 2	IPX0	4
		≥IPX1	5
	SELV or PELV		6

Figure 5

Sensor class 1 or 2:
 For ≥IPX1 both sheaths should extend into the connection compartment. IP34 is achieved if the sensor/cable has an IP34 rating.

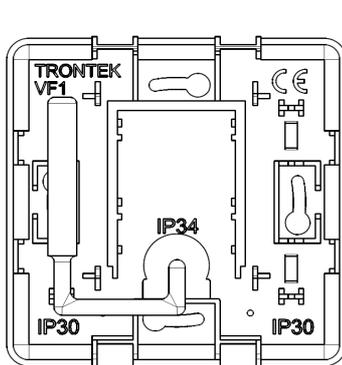
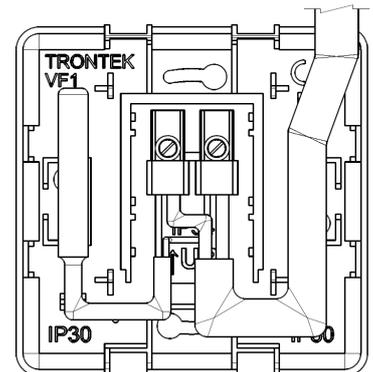


Figure 2

Seal the hole through the wall and do not fix the box on top of a flush mounting wall box for ≥IPX1. IP67 can be achieved if the sensor/cable has an IP67 rating.

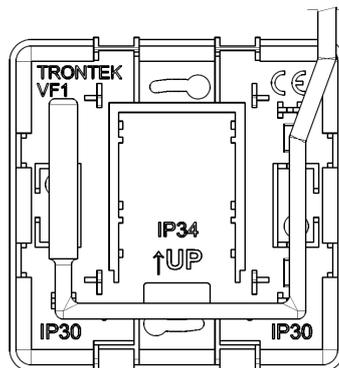


Figure 3

IP67 is achieved if the sensor/cable has an IP67 rating

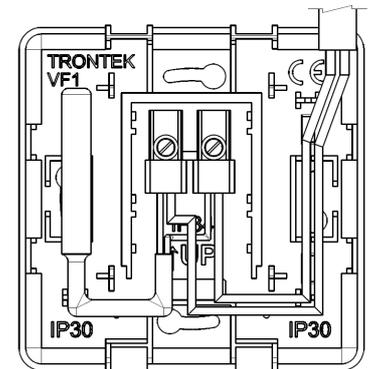


Figure 6

Sensor SELV/PELV (class 3):
 IP34 is achieved if the sensor/cable has an IP34 rating.