

Manual & Data sheet

Temperature sensor FT-1

The maintenance-free and weather-proofed (IP67) temperature sensor FT-1 detects and gathers ambient / outdoor / indoor temperature.

The output signal is a square wave signal with proportional frequency to the temperature.

In combination with the control instrument AT-1 individual switching point can be defined to control illumination, light, jalousies, marquees, blinds, shutters, air conditioning, heaters, ventilation, flaps, roof hatches and build-ups.



Connection – Installation – Commissioning:

! Connection, installation and commissioning only by qualified and skilled person with electrical education !

! Mount devices at the provided positions and wire according to the schematics !

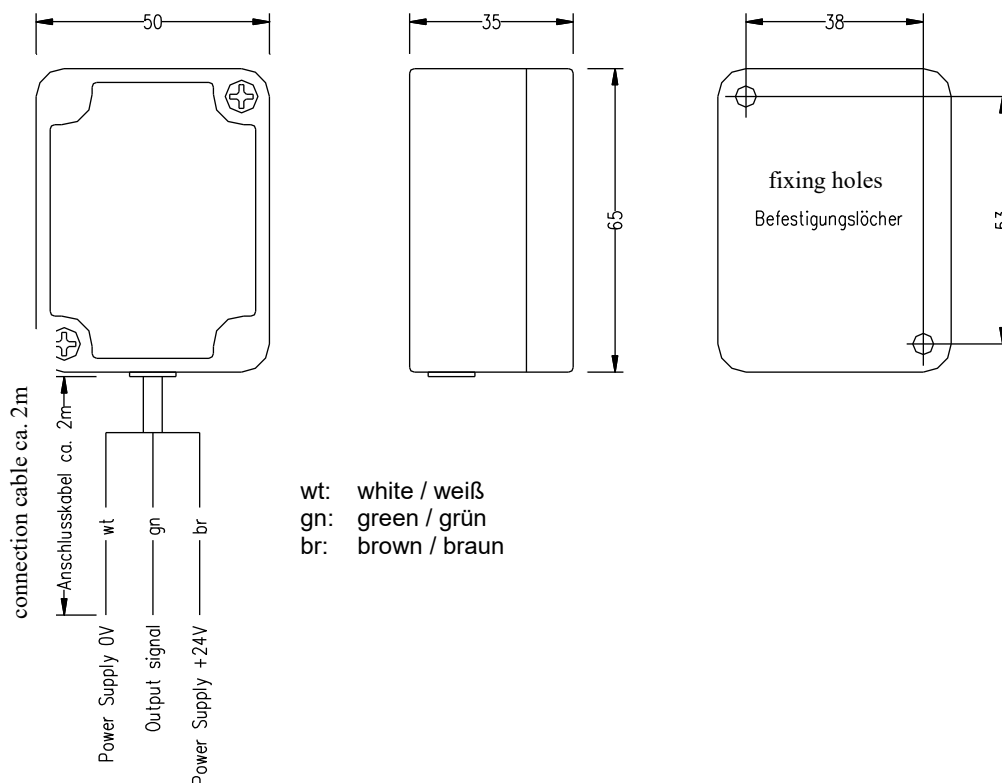
Caution: Wrong connecting may cause damage of the instrument and sensor !

Check for correct wiring before switching on the power supply !

Technical data FT-1:

Operating voltage typ.:	24 VDC \pm 10 % (power supply via control instrument AT-1)
Measuring range:	-5...+65 °C
Ambient temperature:	-30...+80 °C
Protection degree:	IP 67
Output signal:	24V square-wave signal: 320...2000 Hz, (open-collector, with protecting resistor)
Connection:	ca. 2 m wired-ready cable, 3-wire, 3x 0.25 mm ²
Dimensions:	50 x 65 x 35 mm (WxHxD)

Dimensions / Connecting plan:



Installation and mounting:

Mounting is in any position possible.

If used as outdoor temperature sensor the place of installation should be on the north side (of the building), in order that direct sun irradiation does not falsify the measured temperature.