

Manual & Data sheet

Light / Sunlight sensor FS-1

The maintenance-free and weather-proofed (IP67) sunlight sensor FS-1 detects and gathers the light / sunlight intensity. The output signal is a square wave signal with proportional frequency to the measured value.

In combination with the control instrument AS-1 individual switching points 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 !

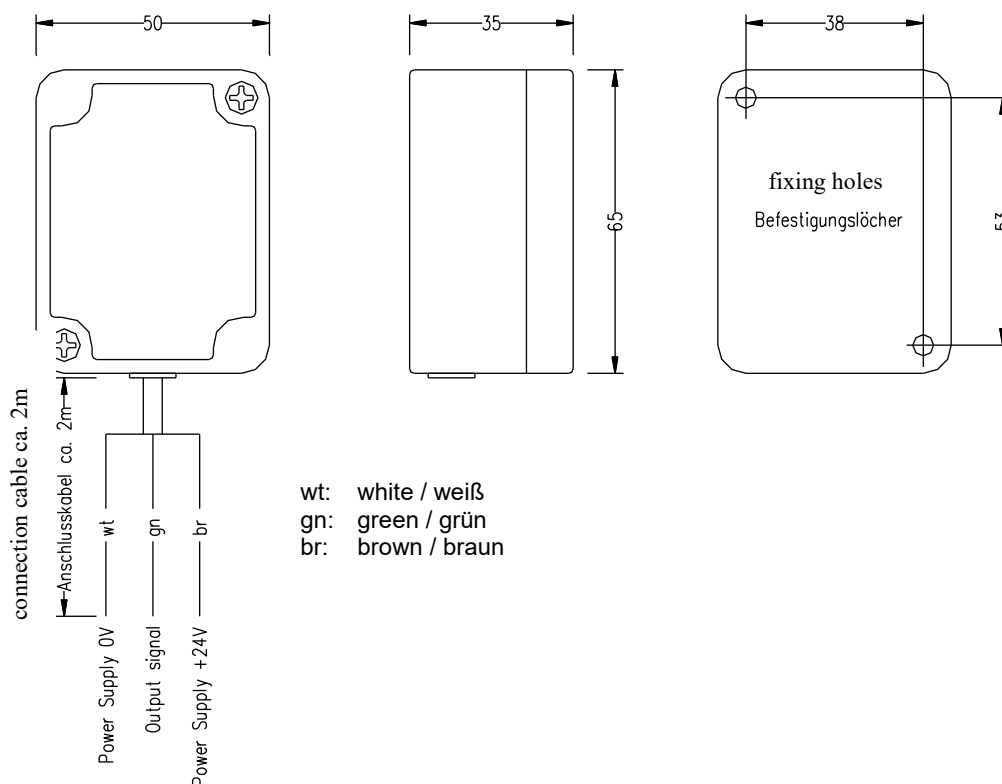
Caution: Wrong connecting may cause damage of the instrument and sensor !

Check for correct wiring before switching on the power supply !

Technical data FS-1:

Operating voltage typ.:	24 VDC $\pm 10\%$ (power supply via control instrument AS-1)
Measuring range:	50...50000 lx (= lm/m ²)
Ambient temperature:	-30...+80 °C
Protection degree:	IP 67
Output signal:	24V square-wave signal: 175...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:

Mount sensor in upright / vertical direction with max. grade / inclination of 30° (see picture above,) and cable connection from bottom side.

Select mounting place with direct sunlight, without shades or obstacles (e.g. trees, buildings...).