

Weather sensor with weather control unit for KNX

Specification	Order No.	Packing unit	PS	EAN
	5146 00	1	06	4010337124405

Features

- The components of the weather station consisting of a weather sensor and a weather control unit cannot be used individually.
- The weather sensor has the following sensors:
 - Brightness from three directions (at 90° intervals to each other, compass directions: east, south, west)
 - Temperature
 - Wind speed
 - Precipitation sensor, with integrated heating
- The weather sensor sends the sensor values to the weather control unit, which evaluates the sensor information and sends it to the KNX bus.
- The weather sensor can communicate with up to 20 weather control units (5147 00).
- 10 sensor channels for wind, precipitation, temperature and brightness. Logical AND/OR links can be created within the sensor channels to evaluate multiple sensor values together.
- Evaluation delay for all sensors to ensure reliable functionality.
- 8 sun protection channels for 8 facades with automatic sun protection function incl. evaluation delay to ensure a reliable sun protection function.
- 2 objects for external brightness sensors.
- Pre-defined day/night object for switchover between day/night mode incl. separate activation/deactivation function via the communication object.
- Communication object that provides information about any communication problems between the weather control unit and the weather sensor.

Technical data

Weather sensor

- Operating voltage of ext. power supply: DC 18 – 34 V
- Internal consumption: max. 5 W
- Connection between weather sensor and weather control unit: 0.6 to 0.8 mm (bus line e.g. J-Y(St)Y 2 x 2 x 0.8)
- Connection type: Spring plug-in terminal and connection terminal
- Mounting type: Wall or mast mounting
- Protection class: IP44
- Protection class: III
- Rated surge voltage: 0.8 kV
- Ambient temperature: -20 °C to +55 °C
- Wind measuring range: 2 to 30 m/s
- Brightness measuring range: 1 to 100,000 lux

- Temperature measuring range:	-30 °C to +60 °C
- Dimensions in mm:	W 121 H 105 D 227
Weather control unit	
- KNX medium:	TP256
- KNX rated voltage:	DC 21 to 32 V SELV
- Internal consumption:	max. 0.5 W
- KNX connection:	0.6 to 0.8 mm (bus line e.g. J-Y(St)Y 2 x 2 x 0.8)
- Maximum cable length between weather sensor and weather control unit:	1,000 m
- Protection class:	IP20
- Protection class:	III
- Rated surge voltage:	0.8 kV
- Number of weather control units that can be connected to a weather sensor:	20
- Ambient temperature:	-5 °C to +45 °C

Notes

- KNX Data Secure compatible.
- Prepared for Gira One.

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	3
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