


Weather sensor with weather control unit for KNX



Spezifikation	Bestell-Nr.	VE	GBP/Stück o. MWSt.	PS	EAN
	5146 00	1	592.84	06	4010337124405

Merkmale

(from September 2026 for Gira One server V4.0 and GPA V6.2)

- 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 (spaced 90° apart, compass directions: east, south, west)- Temperature- Wind speed- Precipitation sensor, with integrated heating
- The weather sensor transmits the sensor values to the weather control unit, which evaluates the sensor information and sends it to the bus.
- Automatic visualisation of sensor information in the Gira Smart Home App.

Function channels

- 2x wind alarms so that the connected blinds are raised and automatically locked when the alarm is active. The status of the wind alarm is monitored on a cyclical basis.
- 1x precipitation alarm so that the skylights or roof domes close immediately and are automatically locked when the alarm is active. The status of the alarm is monitored on a cyclical basis.
- 1x frost alarm so that active movements of shutters are stopped and locked when the alarm is active to protect the shutter motor. The status of the alarm is monitored on a cyclical basis.
- 4x sun protection for 4 façades with automatic sun protection function incl. evaluation delay, for reliable sun protection function. Separate activation/deactivation function in the Gira Smart Home App.
- 1x day/night function for switching between day/night mode incl. separate activation/deactivation function in the Gira Smart Home App.
- Automatic information in the event of communication faults between the weather sensor and the weather control unit.

Function in the Gira KNX system

- 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.

Technische Daten

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: 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

- Gira One Medium: Twisted-Pair (TP), YCYM 2 x 2 x 0,8
- 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: 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

Hinweise

- Installation on DIN top-hat rail.
- Can be updated via the Gira Project Assistant (GPA).
- Programming and start-up with the Gira Project Assistant (GPA), from version 6.2.
- Encrypted data transfer between the Gira One devices.

Lieferumfang

- Connection and junction terminal for KNX included with delivery.
-