


## Weather control unit for KNX



Spezifikation	Bestell-Nr.	VE	PS	EAN
	5147 00	1		4010337124412

### Merkmale

#### Function in the Gira One 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 (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.
- The weather sensor can communicate with up to 20 weather control units.
- Encrypted data transfer between the Gira One devices.

#### 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 weather control unit is used in combination with the weather sensor 8380 00, evaluates the sensor information and sends it to the KNX:- Wind speed- Outdoor temperature- Brightness in lux of all three brightness sensors incl. maximum brightness.- Precipitation (yes/no)
- Up to 20 weather control units can be connected to one weather sensor.
- 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

KNX medium:	TP256
Gira One Medium:	Twisted-Pair (TP), YCYM 2 x 2 x 0,8
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
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

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## Hinweise

- Installation on DIN top-hat rail.
  - Can be updated via the Gira Project Assistant (GPA).
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## Lieferumfang

- Connection and junction terminal for KNX included with delivery.
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