

**Gira Instabus KNX/EIB
Weather Station Standard**
For the measurement and
evaluation of weather data,
such as wind speed, precipita-
tion, twilight, temperature and
brightness within the Instabus
KNX/EIB system.

GIRA

Gira Instabus KNX/EIB Weather Station Standard Precise in any weather



Gira Instabus KNX/EIB
weather station
Standard

GIRA

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The wind speed, precipitation, twilight and temperature can be measured and evaluated with the new Instabus KNX/EIB weather station Standard. In addition, three brightness sensors offset 90° from one another determine the brightness in different directions. Individual or collective evaluation of the sensors is possible. The weather station is installed on the building exterior, for example on the roof, and connected to the Instabus system.

Two different limit values can be taught in per sensor. A teach-in function allows for adoption of a current measurement value as the limit value.

To increase functional reliability, the weather station monitors its own major functions and reports corresponding faults automatically via message objects on the bus. Operation without a 24 V additional power supply is possible.

In this case, rain detection is deactivated and the corresponding safety objects are activated continuously.

Further details

The weather station and in-built heating for the wind sensor are powered via the bus and a 24 V AC/DC 300 mA power supply.

All limit objects feature a configurable switch-on and switch-off delay.

In addition, four blocking elements and six logic gates (AND, AND with return, OR, Exclusive OR, NAND, NOR) can be created. They are available for both internal functions and functions outside the weather station.

Limit values can be associated with one another via internal links.

The sending behaviour of the measurement and limit values can be specified. Either cyclical or event-oriented transmission can be selected.

Installation

Installation can occur on the roof, the wall or, with the optional Gira mast attachment accessory, to free-standing masts with a diameter of 50 to 120 mm. The weather station is then secured with a hose clamp.

Dimensions of the device (approx.): Height: 170 mm, Depth: 204 mm, Width: 88 mm

Technical data

Power supply:
24 V AC/DC SELV
Power consumption:
max. 7 W
Temperature range:
-20 °C to +55 °C
Wind speed:
0 to 40 m/s
Brightness:
1,000 to 110,000 lux
Twilight:
0 to 674 lux
Precipitation:
Yes/No (binary)

Order No. 2150 04

Subject to technical
modifications

Further information is available from the Gira catalogue or on the Internet at www.gira.com