

## Interra KNX Weather Station GPS



<b>Product Code</b>	ITR402-0001
<b>Power Supply</b>	KNX Power Supply
<b>Current Consumption</b>	8 mA
<b>Push Buttons</b>	1 x KNX Programming Button
<b>LED Indicators</b>	1 x KNX Programming LED
<b>Type of Protection</b>	IP 44
<b>Brightness Measuring Range</b>	0 150 klx
<b>Brightness Measurement Range</b>	0...150000 Lux
<b>Maximum Air Humidity</b>	< 90 RH
<b>Temperature Range</b>	Operation (-30°C...50°C) Storage (-30°C...70°C)
<b>Colour</b>	Light Grey
<b>Dimensions</b>	96 x 77 x 118 mm (W x H x D)
<b>Certification</b>	KNX Certified
<b>Configuration</b>	Configuration with ETS

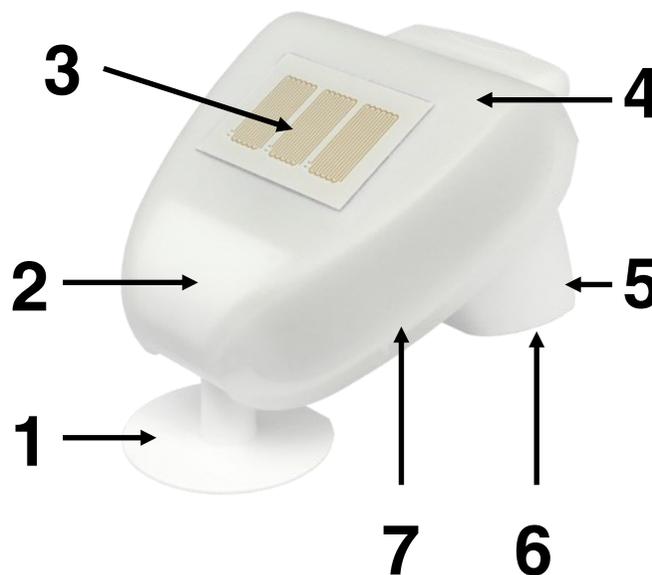
### DESCRIPTION

ITR402-0001 Interra KNX Weather Station GPS light measures temperature, wind speed and brightness. It perceives precipitation and receives the GPS signal for time and position. Furthermore, the exact position of the sun (azimuth and elevation) is calculated based on location coordinates and time.

All data may be used for the control of switching outputs which depend on threshold values. The states may be linked using AND & OR logic gates. The compact housing of the Interra KNX Weather Station GPS light stores the sensor system, the evaluation electronics, and the bus connection electronics.

**Note :** The calculation of the position of the sun is optimized for UTC - 1...+3. The device therefore may only be applied within Europe. For other time zones, please use Interra KNX Weather Station GPS.

### INTERRA KNX WEATHER STATION GPS LAYOUT



1. Wind Sensor
2. Brightness Sensor
3. Rain Sensor
4. Cover
5. Bottom part of housing
6. Temperature Sensor
7. Cover Snaps

### FUNCTIONS

Configuration is made using the KNX software ETS5.

- Brightness and position of sun
- Shade control
- Wind measurement
- Wind sensor monitoring
- Precipitation perception
- Temperature measurement
- Week and calendar time switch
- Threshold values
- 8 AND & 8 OR logic gates

### MOUNTING, COMMISSIONING AND SAFETY NOTES

- The device may only be installed and put into operation by a qualified electrician or authorized personnel.
- For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied.
- Do not open weather station if water (rain) might ingress: even some drops might damage the electronic system.
- Take care not to damage the temperature sensor (small blank at the bottom part of the housing.) when mounting the weather station. Also, take care not to break away or bend the cable connection between the blank and the rain sensor when connecting the weather station.
- Installation only in distribution boards and enclosed housings.
- The measured wind value and thus all other wind switching outputs may only be supplied 60 seconds after the supply voltage has been connected
- Installation only on a surface-mounting