

**Weather base station series-mounting unit**

Order No.: 0571 00

**General system information**

This device is a product of the Instabus EIB-system and complies with EIBA directives. Detailed technical knowledge obtained in Instabus training courses is a prerequisite to proper understanding. The functionality of this device depends on the software. Detailed information on loadable software and attainable functionality as well as on the software itself may be taken from the manufacturer's product database.

Planning, installation and commissioning of the unit are performed by means of EIBA certified software.

**Function**

The weather base station series-mounting unit serves to collect and transmit climatic data and events. Up to four freely combinable transducers can be connected. Two internal limiting values per transducer are definable. If these are exceeded or undercut programmable actions will take place.

When the following transducers are used presettings of the respective sensors provided by the software can be used:

Wind sensor 0 - 10V, heatable	Order No.: 0580 00
heating transformer 24V / 500mA	Order No.: 0600 00
brightness sensor 0 - 10V	Order No.: 0576 00
temperature sensor 0 - 10V	Order No.: 0577 00
twilight sensor 0 - 10V	Order No.: 0572 00
rain sensor 0 / 10V	Order No.: 0579 00

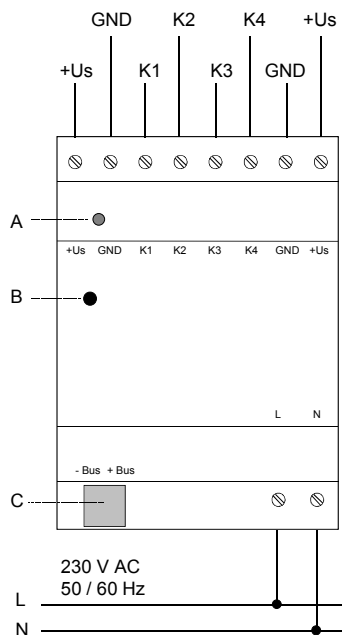
If other sensors are used the parameters to be set will have to be determined first. The weather base station series-mounting unit is capable of evaluating the following types of sensor signals:

Current signals	Voltage signals
0...20 mA	0...1 V
4...20 mA	0...5 V
	0...10 V

The values measured are transformed into two-byte telegrams (EIS 5 value) by the weather base station series-mounting unit.

This enables corresponding bus parties (display unit, visualisation software, measured-value displays) to interfere with control processes or to generate messages or to control weather-dependent processes. By cascading together several weather stations, even complex systems can be controlled.

An integrated power pack facilitates the connection of active sensors without any additional voltage supply (24 V DC, 100 mA max.). Inputs not used can be deactivated.



**Connection (refer to Fig. )**

- +Us: Supply of external sensors
- K1... K4: Inputs
- GND: Reference potential for +Us and inputs K1... K4.
- A: Programming key.
- B: Programming LED.
- C: Instabus connecting and branching terminal.

**Indications of Danger**

**Caution! The installation and assembly of electrical equipment may be carried out only by a skilled person.**

**Technical Data**

**Supply**

Instabus EIB: DC 24 V (+6 / -4 V)  
Mains: 230 V AC, 50 / 60 Hz

**Power consumption**

Instabus EIB: Typ. 150 mW  
Mains: Max. 4 VA

**Connection**

Instabus EIB: Connection terminal  
Mains: Screwterminal clips 0.25 - 4 mm<sup>2</sup>

**Ambient temperature:**

-5 °C to +45 °C

**Max. enclosure temperature:**

T C = 75°C

**Storage and transport temperature:**

-25 °C to + 70 °C

**Type of protection:**

IP 20 acc. to DIN 40050 (IEC 529)

**Mounting width:**

70 mm (4 PU)

**Connection sensor inputs:**

Screw terminal clips 0.25 - 4 mm<sup>2</sup>

**Number of sensor inputs:**

4

**Evaluable sensor signals:**

0 ... 1 V

0 ... 5 V

0 ... 10 V

0 ... 20 mA

4 ... 20 mA

**Impedance for voltage measurements:**

Approx. 18 KΩ

**Impedance for current measurements:**

Approx. 100 Ω

**External sensor supply (+Us/GND)**

Output voltage: 24 V DC

Total current: Max. 100 mA

## Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

**Please return the unit postage paid to our central service department giving a brief description of the fault:**

Gira  
Giersiepen GmbH & Co. KG  
**Service Center**  
Dahlienstrasse 12  
D-42477 Radevormwald

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The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

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