

Instabus IR sensor with pushbutton

Order No. 0603 00

Funktion

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 for proper understanding. Functionality of this device is depending on the software. Detailed information on loadable software and attainable functionality may be taken from the manufacturer's product database.

The IR sensor receives infrared signals from a handheld or wallmounted transmitter, processes these signals and transmits signals to the *instabus* EIB depending upon the selected application. A key is integrated in the IR sensor's receiver. A keystroke will send a command to the *instabus* EIB.

Installation

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

Planning, installation and commissioning of the unit is done by means of EIBA certified software.

Extension cable between receiver and IR sensor:

The extension cable must not be laid in parallel to power or high-duty cabling. A spacing of several centimetres must be observed to prevent EMC irradiation.

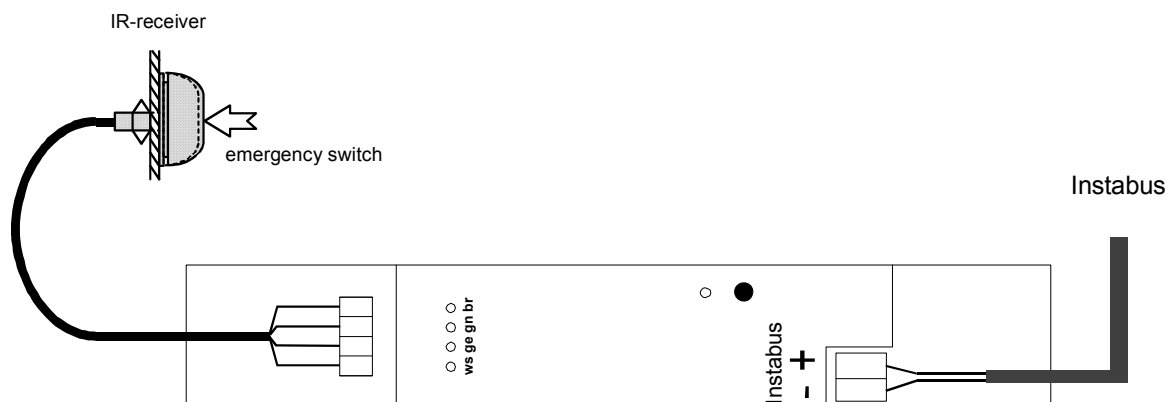
Line signals are at a very low level. Reliable separation from mains power lines is essential when using extension cables.

Adjustment

The unit's functionality depends on the software.

The number of channels is contingent upon the selected application.

The IR sensor may be used for switching, dimming, blinds control and telemetry purposes.



Technical Data

Supply <i>instabus</i> EIB:	24 V DC (+6 / -4 V)
Power drain <i>instabus</i> EIB:	max. 150 mW
Connection	
<i>instabus</i> EIB:	Connecting terminal and branch joint
Receiver:	Plug-in terminal
Receiver	
Diameter:	46 mm
Hole:	13 mm
False ceiling thickness:	1 to 16 mm
Receiver line length:	approx. 75 cm connectorized
Max. line length:	10 m; refer to installation note
Rec'd cable type:	LiYY 4 x 0,14 mm ² with conductor end terminals
Transmission medium:	Infrared light
Wavelength:	$\lambda = 950 \text{ nm}$
Carrier frequency:	455 kHz
Encoding:	PPM carrier code
Ambient temperature:	-5 °C to +45 °C
Storage temperature:	-25 °C to +55 °C
Type of protection:	IP 20
Dimensions (in mm):	39,5 x 28,5 x 278,6 (W x H x L)
Minimum distances:	none

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



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

Gira
Giersiepen GmbH & Co. KG
Postfach 1220
D-42461 Radevormwald

Telefon: +49 / 21 95 / 602 - 0
Telefax: +49 / 21 95 / 602 - 339
Internet: www.gira.de