

Technical information Gira SmartSensor.

Function:

- control and operating unit for the Instabus EIB installation

Areas of use:

- in companies, public buildings and in offices
- in hotels, chambers
- for "function islands" in the private sphere, e.g. living room, dining room, kitchen
- in open living areas, e.g. lofts

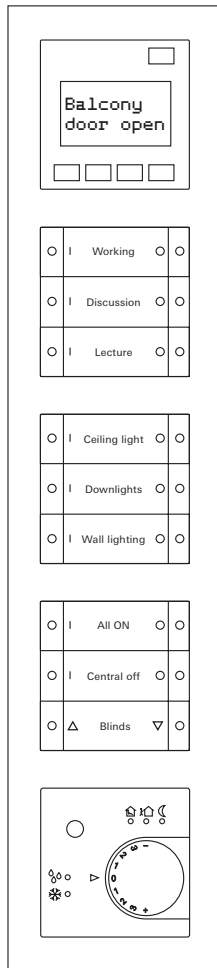
Advantages:

- intuitive operation via a button for rotating and pressing
- push button sensor functions and temperature control in one device
- integrated temperature sensor
- light scenes and scenarios can be created and changed directly at the device
- large, background-illuminated graphical LCD
- clear menu structure
- background illumination of the operating button for orientation in darkness
- four buttons for which favourites functions can be assigned
- changeover between two languages, e.g. German/English
- alarm processing of max. 12 messages
- integration into the Gira ITS 30 installation system



Gira SmartSensor, aluminium colour. Original size: 93 x 170 x 17 mm (30 mm) (W x H x D)

Technical information Gira SmartSensor.



The Gira SmartSensor is a control and operating unit for the Gira Instabus EIB system at which all the Instabus functions can be controlled and regulated with total convenience.

The Gira SmartSensor combines the functionality of continuous regulator, info display and push button sensors with extensive display and configuration possibilities.

Operation is as easy as it is convenient. It is carried out by means of an LCD and an operating button for rotating and pressing. Functions which are used often can also be called up directly by means of four rockers at the device.

Due to its depth of functions, the Gira SmartSensor is especially suitable for lecture rooms and open-area offices, but also for the private sphere, where rooms are grouped as "function islands".

Instabus control.

The Gira SmartSensor can be used, for example to switch and dim lights, control blinds and control heating. In addition, light scenes and scenarios can both be called up as well as created and changed directly by means of the Gira SmartSensor: a maximum of 12 outputs can be controlled and up to eight scenarios from the functions switching, blinds and value transmitter can be saved in this way.

In addition, the Gira SmartSensor detects the current room temperature by means of the internal temperature sensor in the operating button or by means of an external temperature sensor and computes a manipulated variable from it using the adjustable temperature set value.

Valve drives can be controlled with a constant adjustment signal or with a switching adjustment signal here.



The Gira SmartSensor combines the Instabus functions of info display, push button sensors and continuous controller into a single device

Display and operation.

In normal mode the white background-illuminated display shows the date, the time and the current room temperature. However, other previously specified welcoming texts, company logos, etc. can be entered.

In addition the display can show ASCII text messages of up to 14 characters which are transferred via the EIB, e.g. house-internal messages in SMS form from the Instabus system.

Alarm signals are also processed in the SmartSensor and archived in a memory. This is indicated in the display as long as an alarm is active.

Three types of message sounds can be configured in order to differentiate acoustically between the incoming text and alarm signals.

The display menu is clearly structured and has two operating levels. By actuating the operating button, the display is automatically activated, and you reach one level deeper than the normal-mode level.

When the operating button is rotated, the system scrolls through the menu. When it is pressed, the selection of a menu item or of an action is confirmed. In order to prevent unauthorized changes, password requests can be set up for the individual menu items.

The operating button has an orange-illuminated background in order to facilitate orientation in darkness. It can have a master function, e.g. Light ON, assigned to it for the Standby mode. Standby mode is used to switch off the display during periods of non-use. Here, the background illumination and display are switched off.

In addition to the LCD and the operating button, the Gira SmartSensor has four rockers for direct control of the most important scenes or functions in the room.

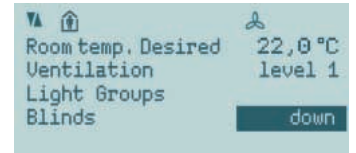
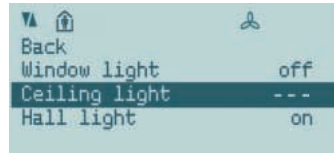
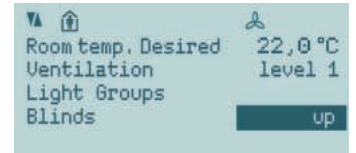
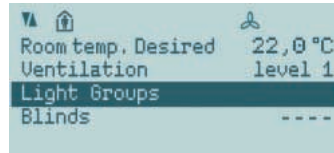
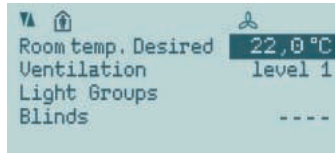
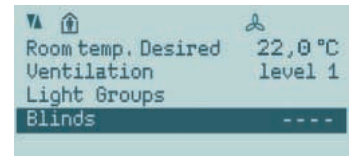
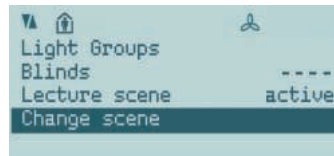
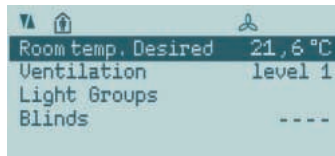
The SmartSensor is programmed by means of the ETS software.

Language selection.

The display of the Gira SmartSensor can be changed when needed from the local language to a different specified foreign language for use in companies with international user groups, e.g. in large hotels.

The update service.

The functionality of the Gira SmartSensor can be extended by means of software updates. A flash memory allows these updates to be integrated into the system at any time and without any additional trouble. This possibility offers the construction company and investor a high degree of investment protection in order to be able to react rapidly to possible changes.



The Gira SmartSensor not only enables the control and operation of all Instabus functions, it also allows light scenes to be changed simply at the device without additional programming effort.

Additional characteristics:

- logical interconnections for room functions are possible, e.g. at window contacts (AND, OR, EXOR)
- max. four gates with max. eight inputs per gate
- each light scene can also be triggered via a 1-bit object
- channels involved with light scenes can be deactivated/activated by the user at any time
- display texts can be defined freely
- diverse symbols for temperature and fan control are integrated and partially freely controllable
- dynamic memory management
- separate window contact object programmable
- the display texts can be created in two languages and can be changed over by means of an object
- can be extended at any time with further functions also in an installed state by means of a flash memory (with a guaranteed future, innovation protection)
- processing and display of up to 12 alarm signals
- menu structure on two levels
- 12 lines can be integrated per level (12 x 12 = 144 lines)

- password can be changed via object
- password protection can be deactivated via object
- three different, freely-definable signal tones for differentiation of alarms/messages
- max. 113 EIB group addresses can be processed
- max. 200 communication connections can be used for internal addresses and EIB group addresses
- free assignment of the functions switch/push, dim, blinds, value transmitter/light scene auxiliary unit, room temperature controller operation
- controller can be deactivated (dewpoint operation) or operation of the controller can be blocked
- valve protection function: valve is opened cyclically every 24 hours
- control types: continuous PI control, switching PI control (PWM) and switching 2-point control (on/off)
- correcting variable objects can be inverted if necessary
- message objects for heating and cooling
- object for controller status
- preset controller parameters for common radiators/cooling units
- input object for external temperature detection

Display:

- fully graphics compatible
- transfective (day/night design)
- white background illumination via LED
- 133 x 48 pixel graphics area
- Four lines with 22 characters each: freely editable as ASCII characters, character size: 10 x 6 pixels
- diverse symbols for building control and building regulation integrated
- contrast and brightness can be controlled via objects

Installation:

- flush-mounted in a flush-mounted 2-gang box or in Gira ITS 30 with the 2-gang profile housing
- operating voltage 24 V AC/DC or 30 V DC
- the corresponding 2-gang flush-mounted EIB bus coupler is contained in the delivery
- degree of protection: IP 20

Design award:

- Red Dot Award 2004, Design Zentrum NRW

Dimensions (W x H x D):

93 x 170 x 30 mm
without operating button:
93 x 170 x 17 mm

Colours:

- pure white
- anthracite
- aluminium (varnished)

SmartSensor, pure white
Order No. 1246 661

SmartSensor, anthracite
Order No. 1246 671

SmartSensor, aluminium
Order No. 1246 651

Subject to technical
modifications.

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