

Gira Instabus
KNX/EIB Brightness Controller
Realises energy-saving room and
workspace lighting by dimming or
brightening the lighting based on
the daylight level

GIRA

New. Gira Instabus KNX/EIB Brightness Controller

Dims the lighting based on the daylight level



Gira Instabus KNX/EIB
Surface-mounted brightness controller

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Gira Instabus KNX/EIB brightness controller

The Gira brightness controller realises energy-saving room and workplace lighting. It is mounted to the ceiling directly above the area to be illuminated, for example above a workstation, and analyses lighting conditions of the surface below. The brightness sensors register a range from 0 to 2000 lux.

Coupled to the lighting system, it dims or brightens the lighting depending upon the daylight level. As such, the function of a brightness sensor with brightness controller is combined within one device.

With dimmable lights constant light control can be realised, and with switchable lights, lighting is switched on or off. Up to five light groups are dimmable in parallel, each one shifted by an individually settable difference value if required.

Calibration of brightness measurement is carried out with the Engineering Tool Software (ETS) via the bus. The desired brightness value can also be adjusted via the bus.

Brightness control can be activated and deactivated via any push button or with motion or presence detectors. Preset control can be overridden or disabled by pressing a light switch or dimmer.

The brightness controller is available in two variants for either flush-mounted or surface-mounted installation. With flush mounting it is installed in a standard flush-mounted box. Surface mounting is with a white, plastic housing with housing cover and screw stopper included with delivery.

Further details

- Analysis of lighting conditions by measurement of reflected light
- Measurement range of 0 to 2000 lux with an illuminated surface reflection factor of approx. 30%
- Two light rods are supplied with the brightness controller, one of which is selected for operation. Light rod 1 measures the light ingress surface vertically, light rod 2 measures the light at an angle of 45° to the mounting surface
- The brightness measurement value is transmitted either upon modification and/or cyclically
- The activation value of the lighting can be selected at the start of constant light control
- The desired value is set either via a parameter or via a communication object
- Power supply of electronics via bus voltage
- Bus connection via bus terminal
- Integrated bus coupler
- Parameterisable behaviour with bus voltage recovery

Technical data

- Measurement range: 0 – 2000 lux (Workspace reflection factor of approx. 30%)
- Power supply via bus voltage
- Protection type IP 20
- Installed in 58mm flush-mounted wall box

Dimensions

Surface-mounted brightness controller: 75 mm dia.,
Height: 30 mm

Flush-mounted brightness controller:
Dimensions without box cover
50 x 35 x 14 mm (L x W x H)

Order No.:

Surface-mounted brightness controller 2103 00
Flush-mounted brightness controller 2102 00

Subject to technical modifications

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



Gira Instabus KNX/EIB
Flush-mounted brightness controller



Light rods,
90° and 45°