

Control unit 1 - 10 V

Order no.: 0578 00

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 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.

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

The current product database and technical descriptions can be found on the Internet at www.gira.de

**Indications of danger**

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

Function

The 1 - 10 V Control Unit allows the dimming of fluorescent lamps with controllable electronic ballast's and 1 - 10 V interface. The number of controllable electronic ballast's to be dimmed by one Control Unit depends on the signal current of individual electronic ballast's and is type-dependent.

Commands are issued by operation of touch sensors or via the binary inputs of the instabus EIB-system.

The unit is protected by a 10 amps trip-out overcurrent switch.

Connection

The unit is connected as shown on the opposite figure. Legend:

- ① 1 - 10 V control voltage (from electronic ballast)
- ② Power supply for connected ballasts

Adjustment

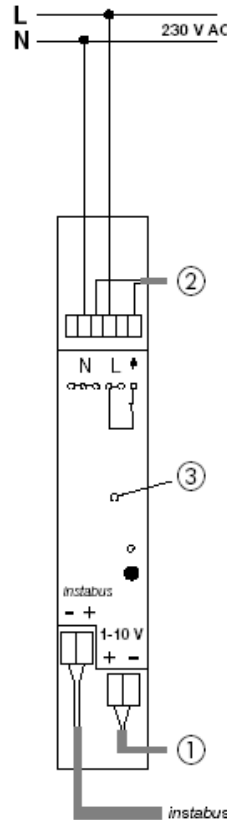
The unit's functionality is software-dependent.

Dimming time is adjustable.

Basic brilliance corresponds to the lowest limit of the control voltage and can be set using the trimming resistor ③.

Dimming characteristics, e.g. brilliance variation and dimming speed, can be matched to the sensitivity of the eye and the behaviour of connected electronic ballast's.

The Control unit's switching status may be sent over the instabus EIB. Interrogation of the brilliance value via the instabus EIB allows its integration in lighting scenes.



Technical Data

Supply

instabus EIB:	21 - 32 V DC
AC mains:	230 V AC

Power drain

instabus EIB:	max. 150 mW
AC mains:	max. 2 W

Connection

instabus EIB:	Connecting terminal and branch joint
AC mains:	Plug-in terminals up to 2,5 mm ²
1 - 10 V interface:	Plug-in terminals up to 0,5 mm ²

Switching power

ohmic load:	2300 W
EVSA:	depends on type

1 - 10 V interface

Input line length:	max. 500 m for 0,5 mm ²
Signal current:	max. 50 mA
Signal duration:	100 % continuous

Ambient temperature: -5 °C to +45 °C

Storage temperature: -25 °C to +70 °C

Max. housing temperature: 75 °C

Type of protection: IP 20

Dimensions (in mm): 39.5 x 28.5 x 278.6 (W x H x L)

Minimum distances: circular, 4 cm

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

CE 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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