

Triple control unit 1-10 V

Order no.: 1017 00

Order no.: 1019 00

System information

This unit is a product of the Instabus-EIB-System and corresponds to the EIBA Guidelines. Detailed technical knowledge acquired in Instabus training courses is a prerequisite for the understanding of the system. The functions of the device are software-dependent. Detailed information on the software and the functions implemented and the software itself are available from the manufacturer's product data bank.

Planning, installation and commissioning of the device are effected with the help of EIBA-certified software.

For the productdatabase and technical descriptions please refer to the Gira Datenpool CD, order no. 1992 10, or to the internet at www.gira.de offering up-to-date information.

Function

The control unit receives telegrams transmitted via the Instabus EIB and switches or dims fluorescent lamps in combination with electronic ballasts. During dimming, the electronic ballast is controlled from a 1-10 V interface. Switching is effected by a relay contact that switches the ballast's voltage supply on and off. This contact can also be actuated manually without any effect on the bus.

Characteristics

- Connection of different phases to terminals A1 – A3.
- Switching and dimming behaviour presettable with parameters.
- Checkback for switching status.
- Transmission of brightness value.
- Soft-On, Soft-Off and delayed dimming presettable with parameters.
- Light-fading mode and immediate brightness change.
- Lightscape operation possible.
- Behaviour on bus voltage return presettable.



Safety warnings

Attention: Electrical equipment must be installed and fitted only by qualified electricians and in observance of the applicable accident prevention regulations.

To prevent electric shocks, disconnect the power supply before working on the device (by cutting out the circuit breaker).

Any non-observance of the fitting instructions may cause fire or other hazards.

Important information

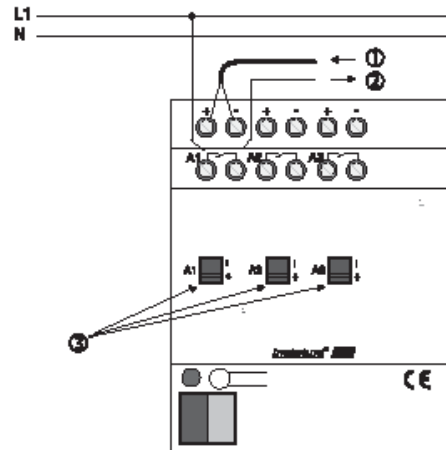
- The number of electronic ballasts that can be dimmed via the 1-10 V interface, depends on the ballast-specific load current of the types used.
- Please observe: electronic ballasts produce high peak currents during switch-on, which might cause the relay contacts to stick together. For loads up to max. 200 VA per channel we recommend using an inrush current limiter (Art.no. 0810 00).
- For greater loads we recommend using separate load-switching relays.

Connection

The unit is connected as shown on the opposite page.

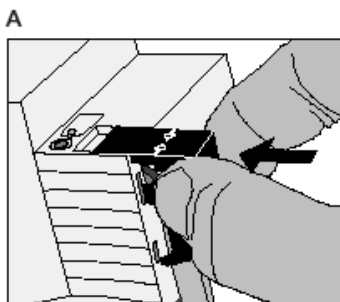
Legend:

- ① 1 - 10 V control voltage (from electronic ballast).
- ② Power supply for connected ballasts.
- ③ Manual operation and switching state indicator without checkback signal to Instabus EIB.

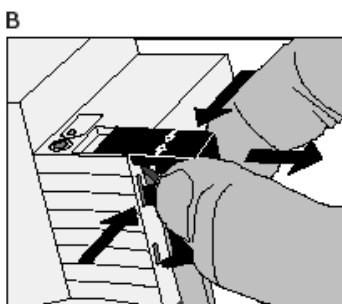


Cap

Slide the cap with the bus wires at the bottom over the bus terminal (fig. A) until it is heard to engage.



To remove the cap, push sideways and withdraw (fig. B).



Technical Data

Instabus EIB supply voltage:	24 V DC (+6 / -4 V)	Switching capacity resistive loads:	2500 W
Instabus EIB power rating:	max. 240 mW	capacitive loads: Insta electr. ballast TC 1-10 V:	1100 W / 140µF 15 single-tube / 12 double-tube
Connection Instabus EIB: main, 1-10 V interface:	Instabus terminal screw-type terminal 0.2 – 4 mm ² solid wire or 2 x 0.2 – 2.5 mm ² solid wire 0.75 – 4 mm ² stranded without wire end ferrule or 0.5 – 2.5 mm ² stranded with wire end ferrule	1 - 10 V Interface length of input line: signal current per channel: signal duration:	max. 500 m at 0.5 mm ² max. 100 mA 100 % continuous
Tightening torque of screw terminals:	max. 0.8 Nm	Ambient temperature:	-5 °C ... +45 °C
		Max. housing temperature: $T_C = 75 °C$	
		Storage temperature:	-25 °C ... +70 °C
		Installation width:	72 mm (4 modules)

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.

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