

Tronic Dimming Actuator 20 - 500 W with Extension Input

Order no.: 0899 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.

The functionality of this device depends on the software. Detailed information on loadable software and attainable functionality as well as on the software itself 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 product database and the technical descriptions are available on the Gira Datenpool CD, order no. 1992 10, or always up to date in the Internet at www.gira.de.

Function

The dimming actuator can be used for dimming LV halogen lamps in conjunction with Tronic transformers, HV halogen lamps and 230 V incandescent lamps.

The total load connected to the device must not exceed the ratings specified in the technical characteristics. Mixed loads consisting of the types specified can be used up to the maximum load rating.

Switching and dimming actions can be controlled by means of sensor switches and sensor dimmers, infrared sensors or binary inputs of the instabus EIB system.

The extension inputs can be connected to conventional 230 V one-way pushbuttons (input E2) or to two-way rocker button types (input E1 and E2).

The switching and dimming commands from the extensions are available to the instabus EIB system.

The device is shut off at 95°C by a temperature protection circuit.



Safety warnings

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

To prevent electric shocks, disconnect the mains supply (by cutting out the circuit breaker) before working on the device. Any non-observance of the installation instructions may damage the device or cause fire or other hazards.



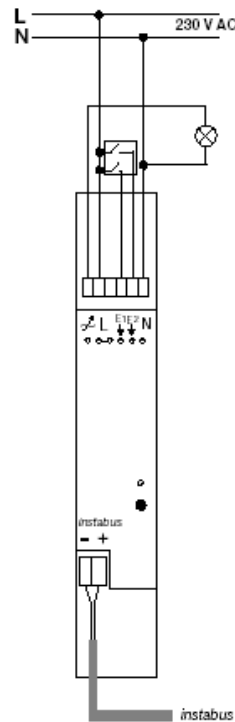
Important:

Observe the technical connection requirements of the power supply companies. Centralized telecontrol signals from power stations may cause short-time flickering of the lamps in low dimming position.

This is not a defect of the dimmer.

The connection of inductive loads (iron-core transformers) is not permitted.

The device is connected in acc. with the illustration opposite.



Technical characteristics

Supply voltages

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

Power consumption

instabus EIB: max. 150 mW
mains: max. 4 W
extension: max. 60 mW per input

Connection

instabus EIB: instabus connecting terminal
mains, extension: push-lock terminals up to max. 2,5 mm²

Switching capacity

resistive loads: 20 to 500 W
incandescent lamps: 20 to 500 W
HV halogen lamps: 20 to 500 W
LV halogen with Tronic transformer: 40 to 525 W

Extension

Length of input line: max. 500 m
Signal current: approx. 5 mA, up to 100 mA peak inrush

Signal voltage

“0” signal: 0 to 50 V AC
“1” signal: 161 to 253 V AC

Signal duration: > 50 ms

Ambient temperature: -5 °C to +45 °C

Storage temperature: -25 °C to +70 °C

Type of protection: IP 20

Dimensions (in mm): 39.5 x 35.0 x 278.6 (W x H x L)

Minimum spacings: 4 cm on all sides



The load identification symbol for dimmers indicates the type of connectable load, i.e. the electrical behaviour of a specific load type: R = resistive, C = capacitive

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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