Instabus TRONIC-Dimmactuator 20-500 W with extension

Order No. 0555 00

Function

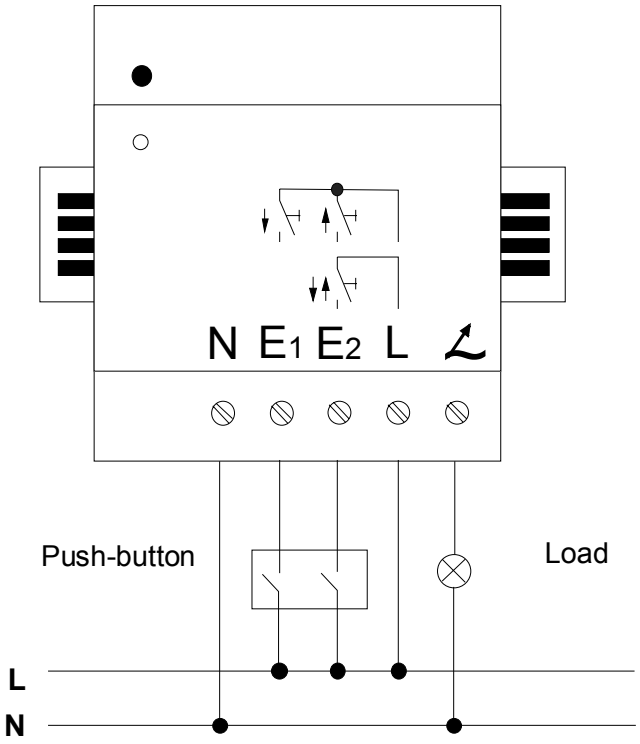
This device is a product of the Instabus EIB system and complies with EIBA directives. Detailed technical knowledge obtained in *instabus* training courses is a prepequisite for proper understanding. Functionality of this device is depending on the software. Detailed information on loadable software and attainable functionality may be taken from the manufacturer's product database.
In conjunction with ist extension, the Dimactuator 500 W allows the dimming of LV halogen lamps powered via TRONIC transformers, of HV halogen lamps, and of 230 V incandescent lamps. Switching and dimming commands are issued by operation of touch sensors, dimming sensors, infrared sensors or via the binary inputs of the *instabus* EIB-system.
The extension's inputs allow connection of conventional 230 V pushbuttons with one-plane oparation (input E2) or two-plane operation (inputs E1 and E2). Switching and dimming commands initiated via the extension can be used by the *instabus* EIB-system.
A thermal trip-out switch cuts off power as soon as temperature exceeds 95 °C.
An electronic overload protection device will cause a reduction of power under overload conditions. The Dimactuator will switch off for one minute if the overload lasts longer than 7 seconds. A message is send periodically over the *instabus* EIB. During this time, telegrams may sent via the extension's inputs to the *instabus* EIB. The Dimactuator will return to previous brillance as soon as the overload condition has been removed.
At low dimmer settings, electrical impulses from power plants may be perceived as short flashes.

Installation

Caution! The installation and assembly of electrical equipment may be carried out only by a skilled person.
Planning, installation and commissioning of the unit is done by means of EIBA certified software.

Adjustment

The unit's functionality is software-dependent. Basic brilliance may be adapted to any type of load.
The memory function is adjustable which means that the unit will start up with the last brillance setting.
Dimming time is adjustable.
The Dimactuators's switching status may be sent over the *instabus* EIB. Interrogation of the brillance value via the *instabus* EIB allows ist integration in lighting scenes.



Technical Data

Supply	
Instabus EIB:	24 V DC (+6 / -4 V)
AC mains:	230 V AC
Power drain	
Instabus EIB:	max. 150 mW
AC mains:	max. 4 W
Extension:	max. 60 mW per input
Connection	
Instabus EIB:	Pressure contact on data bar
AC mains, extension:	Screw terminals up to 2,5 mm²
Switching power	
ohmic loads:	20 to 500 W
incandescent lamps:	20 to 500 W
HV halogen:	20 to 500 W
LV halogen, with TRONIC transformer:	20 to 525 W (for SNT 70) 40 to 525 W (for SNT 105, 150, 200)
Extension	
Input line length:	max. 500 m
Signal current:	approx. 5 mA, up to 100 mA surge current
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
max. housing temperature:	TC = 75 °C
Storage temperature:	-25 °C to +55 °C
Type of protection:	IP 20
Build-in width:	70 mm (4 PU)

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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