

## REG control module

Order No. 0970 00

### Synoptik

The term Synoptik is derived from the Greek language.

The greek word <synopsis> is composed of <syn> "together" and <opsis> "seeing".

The word <synopsis> is translated by "survey".

### Function

The Synoptik system offers the possibility to check and influence the state of an Instabus EIB system.

A central control unit ensures data exchange between the individual components and the Instabus EIB. The states are alternatively represented via

- a module for driving LEDs
- a module for driving incandescent lamps or relays, resp., and via
- an L 40 front panel with 40 LEDs or
- an TL 15 front panel with 15 push buttons and LEDs each

of the signal and control panel.

In addition to indication, commands can be sent to the *instabus* EIB via the driver modules and the TL 15 front panel.

Up to six driver modules or front panels, of the signal and control panel can be connected to a control module in any combination.

Connection is established via a 20-pole flat cable.

Via a step switch, the modules or front panels connected must be set to the individual module address.

The functions are specified with the aid of the EIBTAB WINDOWS® programming system. Via a serial interface port, the data is loaded from the PC into the electronic control system where it is permanently stored. The programming of other *instabus* EIB components by the ETS is not possible via this interface.

The Channels of the signal and control panel can be identified by means of replaceable slide-in lettering strips.

### Warning

**Important: Electrical equipment may only be inserted and installed by a skilled electrician.**

### Installation Instructions

The REG design components are snapped onto a DIN rail.

The L 40 and TL 15 front panels can be mounted in the UP/AP housing of the signal and control panel by means of four M 2.5 x 12 neck screws.

Once the components are connected with the 20-pole flat cable and planning or project designing has been made by the EIBTAB PC software, the installation can be started up (RESET). After powering all LEDs of the L 40 and TL 15 front panels light up for 2 to 3 seconds.

RESET can also be effected by

- pressing the RESET key on the control module.
- interrupting the control module power supply.

After a RESET, the control module determines the configuration of units connected. In addition, the scanning of the EIB states of individual groups is possible. This can be specified when designing the project using the EIBTAB PC software. During state scanning, the evaluation of the keys is not possible.

## System Modification

If any component is added to or removed from the system, a RESET needs to be performed.

A description of the EIBTAB PC software is contained on the disk.

## Control Module

The control module serves to drive up to six driver modules or front panels of the signal and control panel. Beginning with the control module, the modules or front panels are connected in a chain with a 20-pole flat cable ①. The maximum length of the cable between two modules is 50 cm.

In front panels of the signal and control panel are used, the 5 V / 2 A power supply is required to feed those units. An *instabus* EIB bus coupler is integrated in the control module.

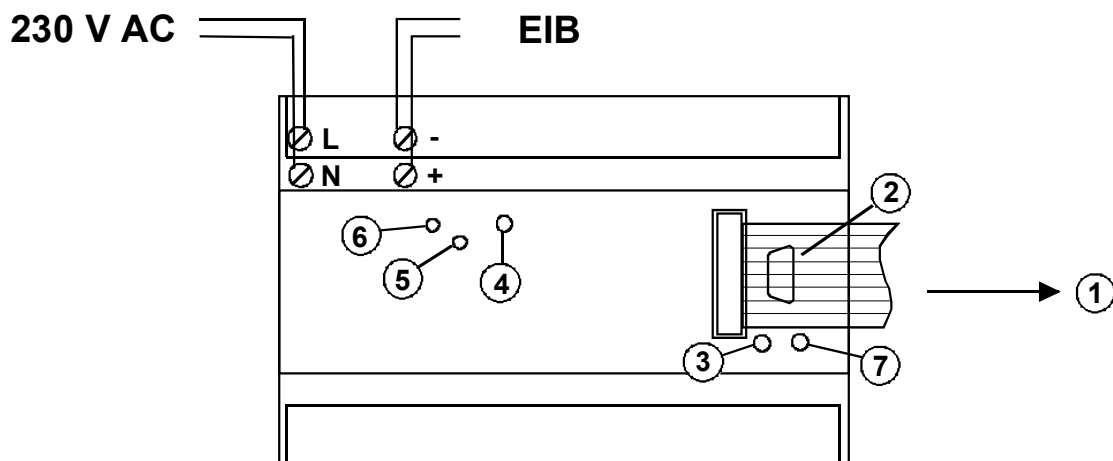
The functions are specified by means of the EIBTAB WINDOWS® programming system. Via a serial interface port ②, the data is loaded into the control module. The exchange of data between the Synoptik and the *instabus* EIB is indicated by an LED ③.

To program the physical address of the bus coupler in the control module, programming key ④ must be pressed. If LED ⑤ is on, the bus coupler is ready for programming. After successful programming, the LED goes out.

Programming is effected via the *instabus* EIB.

Pressing RESET key ⑥ starts the system.

When LED ⑦ lights green, the control module is ready for operation.



## Specifications

### Control Module

#### Power Supply

*instabus* EIB: 24 V DC (+6 V/-4 V)

Mains: 230 V AC

#### Power Consumption

*instabus* EIB: 150 mW

Mains: max. 1,5 VA

#### Connection

Instabus EIB: Screw terminal

Mains: Screw terminal 2 x 2,5mm<sup>2</sup> solid or  
0,1 - 1,5 mm<sup>2</sup> with wire terminating sleeve

PC: 9-pole SUB D

Module: 20-pole flat cable

Ambient temperature: -5 °C to +45 °C

Storage temperature: -25 °C to +55 °C

Type of protection: IP 20

Built-in width: 140 mm (8 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



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

Gira

Giersiepen GmbH & Co. KG

Postfach 1220

D-42461 Radevormwald

Telefon: +49 / 21 95 / 602 - 0

Telefax: +49 / 21 95 / 602 - 339

Internet: [www.gira.de](http://www.gira.de)