

**24V REG driver module**

Order No. 0989 00

**18V AC/50 VA REG power supply**

Order No. 0981 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<sup>®</sup> 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.

## 24 V Driver Module 18 V AC Power Supply

The driver module facilitates the driving of 30 incandescent lamps (max. 0.8 W per lamp) or 24 V DC relays (for recommended relay type, refer to Specifications) as well as the scanning of 30 potential-free contacts.

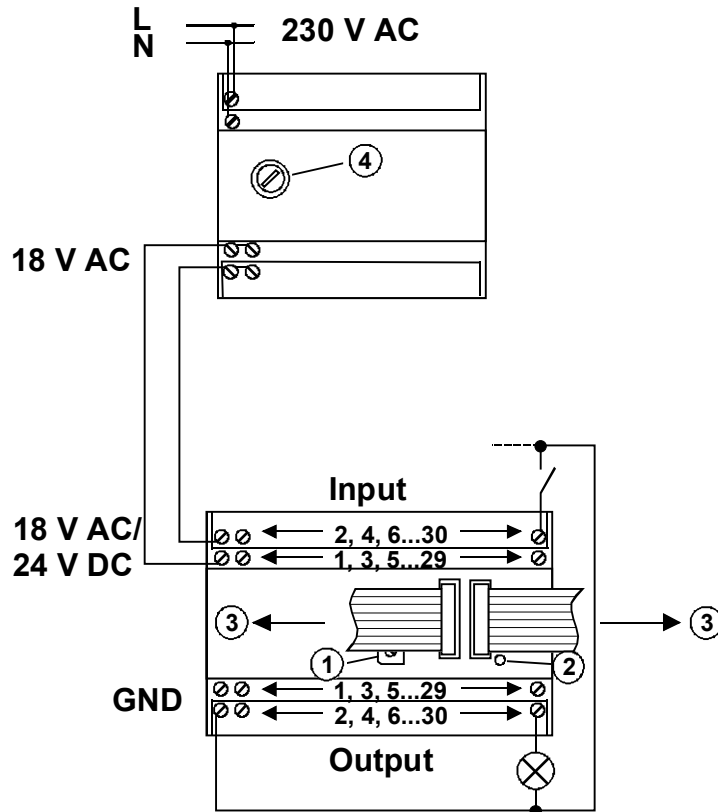
It is only ready for service in conjunction with a control module and an external power supply. The driver module can alternatively be supplied with 18 V AC or 24 V DC.

Via a step switch ①, the driver module can be set to the projected module address.

The outputs are protected against overloading. In case of overloading, operating state LED ② changes from green to red.

The driver module is connected to the control module or to the electronic control system of the signal and control panel via a 20-pole flat cable ③. A second connector ③ facilitates the connection of further modules.

The 18 V AC / 50 VA power supply is protected by a T 500 mA microfuse ④.



## Specifications: 24 V Driver Module

Power supply:	18 V AC
Power consumption:	max. 60 W
Output:	max. 50 W
Connection:	Screw terminal 2 x 2,5mm <sup>2</sup> solid or 0,1 - 1,5 mm <sup>2</sup> with wire terminating sleeve
Inputs:	30
Input line length:	max. 5 m
Signal current:	max. 1 mA
Signal identification	
Open contact:	min. 100 k $\Omega$
Closed contact:	max. 100 $\Omega$
Power consumption:	max. 18 mW
Signal length:	min. 500 ms
Outputs:	30
Output line length:	max. 5 m
Rated voltage:	18,5 bis 26 V
Rated current:	100 mA
Switching power	
Resistive load:	max. 4,5 W
Incand. lamps:	0,8 W
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)
Recommended relay	Finder Type 4061

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## Specifications: 18 V AC Power Supply

### Power Supply

Mains:	230 VAC
Power consumption:	max. 60 VA
Output:	max. 50 VA
Fuse:	T 500 mA
Connection	
Mains:	Screw terminal 2 x 2,5mm <sup>2</sup> solid or 0,1 - 1,5 mm <sup>2</sup> with wire terminating sleeve
Outputs:	2
Rated voltage:	18 V AC
Overall rated current:	2,7 A AC secondary
Ambient temperature:	-5 °C to +45 °C
Storage temperature:	-25 °C to +55 °C
Type of protection:	IP 20
Built-in width:	105 mm (6 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.

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