

Powernet Repeater Series-Mounting Device

Art. Nr.: 0517 00

System Information

This device is a product of the Gira-Powernet® EIB system and complies with EIBA directives. Detailed technical knowledge obtained in *instabus* or Gira-Powernet® EIB training courses is a prerequisite to proper understanding.

The functionality of this device depends upon the software. Detailed information on loadable software and attainable functionality may be taken from the manufacturer's ETS2 product database as well as from the Gira-Powernet® EIB controller database.

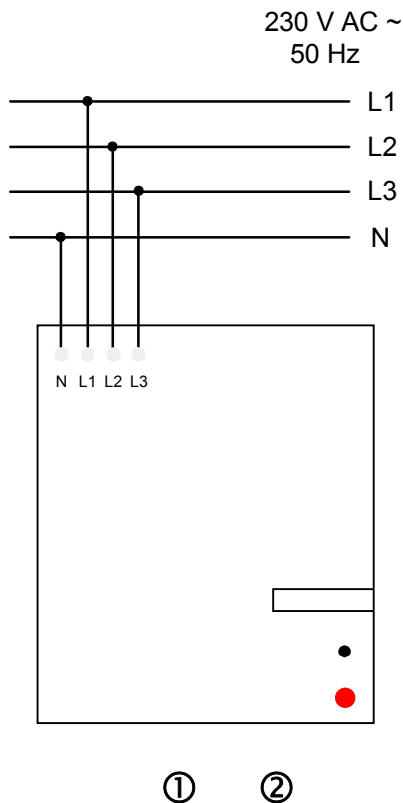
Planning, installation and commissioning of the unit is done by means of the ETS2 software, Ver. 1.1 or later, as well as by the Gira-Powernet® EIB controller.

Function

This repeater is provided for series mounting on a DIN top hat rail. The device repeats or amplifies the signals within a wide-spread Gira-Powernet® EIB system. Missing phase coupling is compensated, the three phases being actively coupled.

Whether the use of a repeater is necessary should be clarified at the preliminary planning stage within the scope of determining the overall noise load of a Gira-Powernet® EIB system. In case of doubt, transmission tests should be made.

Connection



Switch off the mains voltage before establishing the electrical connection.

The device must be snapped onto a DIN top hat rail. Establish connection as shown in the opposite illustration. It can be made as single-phase or three-phase connection.

Within one Gira-Powernet® EIB installation delimited by band elimination filters, only one repeater each may be used. The use of a repeater must be determined at the beginning of the project planning stage. Subsequent integration entails the re-programming of all Gira-Powernet® EIB components used. To avoid overcoupling of signals from adjacent systems, the signals of Gira-Powernet® EIB installations must be decoupled from one another by band elimination filters. Avoid parallel line arrangement of two adjacent Gira-Powernet® EIB installations to eliminate signal overcoupling caused by line inductance and capacitance. Installation should be made at the "star point" of a Gira-Powernet® EIB system to obtain maximum possible reach of a signal.

Assigning the Physical Address

Press programming key ① on the repeater. Red LED ② lights up. It goes out when the physical address is taken over.

Warning

Caution! The installation and assembly of electrical equipment may only be performed by a skilled electrician. Non-connection or wrong connection of the neutral conductor results in damage to the device.

Specifications

Supply	
Mains voltage	: 230 / 400 V AC (sine wave)
Mains frequency	: 50 Hz
Current consumption	: < 30 mA
Connection	: 1 - 2.5 mm ² screw terminals
Ambient temperature	: -5 °C to +45 °C
Protective system	: IP 20 acc. to EN 60529
Equipment class	: 116 acc. to EN 50065-1
Dimensions	: 4 PUs (pitch units) (72 mm)

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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