VIMAR

By-me KNX IP Router, KNX Secure standard, installation on DIN rail (60715 TH35), occupies 2 modules size 17.5 mm.

The By-me/KNX router enables communication between parts of a system comprising By-me devices, grouped together within an "island", with a system comprising KNX devices. The messages are transmitted in both directions according to criteria which define the correspondence of the communication objects belonging to the specific domains. The router allows up to 500 routing rules. Each rule is specified by the By-me group address, by the KNX address, by the direction of communication (from KNX to By-me; from By-me to KNX; both) and by the type of information exchanged (1 bit, 2 bit, …).

The device is equipped with a TP terminal for connection to the By-me BUS, an Ethernet connector and a front push button for configuration via ETS. The power supply is provided by the By-me BUS.

Router 01507 conforms to the KNX Secure requirements on the datapoints defined in the routing table. A datapoint on the KNX side can be defined for the heartbeat signal.

CHARACTERISTICS:

- Rated supply voltage: BUS 21- 30 V DC (SELV)
- Max current consumption (on the By-me BUS): < 20 mA
- Dissipated power:
  - 800 mW average
  - 1100 mW maximum
- Operating temperature: - 5°C to + 45°C (indoor use)
- IP20 protection degree
- Protection class III
- Overvoltage category III
- 2 modules of 17.5 mm

CONNECTIONS.

The connection to the bus is made directly from the By-me BUS terminal on the front of the device. A standard RJ45 connector is available for connection to the KNX over IP network. The router can be installed inside mounting boxes or panels, surface mounting or flush mounting with DIN rail (60715 TH35).

CONFIGURATION.

Configuration of the By-me Plus system is carried out using the View Pro App updated to the latest version (gateway 01410-01411 must be present). On completion, all the information about the By-me devices can be exported to an XML file and made available on KNX. **To configure the device, an IP backbone IP must be created, using for example the Router IP KNX Secure 01548 from one of the permitted tunnelling connections (see the installation manual).** The KNX part is configured using the ETS software; a dedicated component, referred to as a DCA (Device Configuration App), allows you to define the routing rules for the exchange of messages. The purpose of the DCA is to define the Communication Objects of the device and allow association of the By-me group address for each one. Configuration of the KNX group associated with the Communication Object will be carried out using the standard ETS interface.

The DCA simplifies configuration operations thanks to the copy communication object function. The copying (cloning) of an entire router is permitted by the standard ETS functions.

To begin configuring the device and assigning the respective physical address, press the configuration push button.

All the updated ETS databases can be downloaded from the "Software" section of the website www.vimar.com.

INSTALLATION RULES.

- Installation must be carried out by qualified persons in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- Switch off the power supply before beginning installation.
- Carefully carry out the electrical insulation when making the connections.
- **Make sure you keep the 120/230 V lines separate from the SELV conductors.**

CAUTION: Installation of 120/230 V power lines must only be carried out by qualified persons.

REGULATORY COMPLIANCE.

EMC directive. RoHS directive.
Standards EN IEC 62368-1, EN IEC 61000-6-2, EN IEC 61000-6-3, EN IEC 63044, EN IEC 63000.

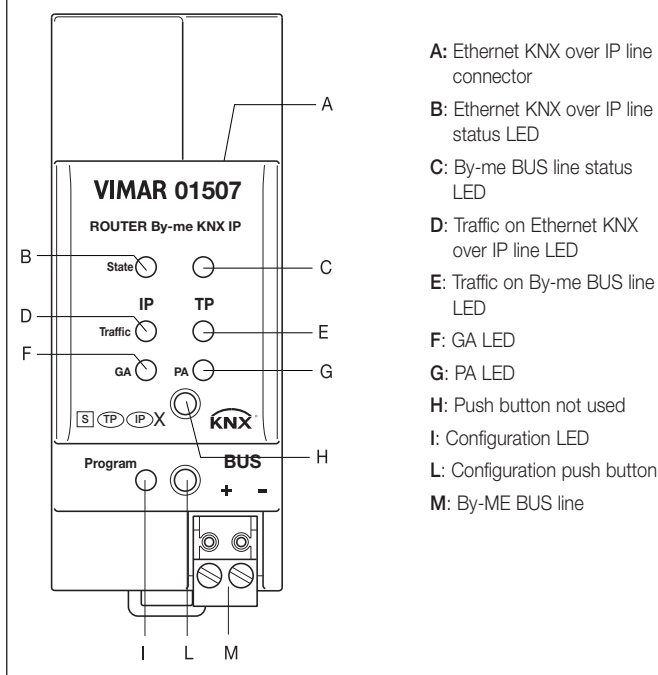REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.

FRONT VIEW AND CONNECTIONS

A: Ethernet KNX over IP line connector

B: Ethernet KNX over IP line status LED

C: By-me BUS line status LED

D: Traffic on Ethernet KNX over IP line LED

E: Traffic on By-me BUS line LED

F: GA LED

G: PA LED

H: Push button not used

I: Configuration LED

L: Configuration push button

M: By-ME BUS line

DESCRIPTION OF LEDS

	Green	Red
Ethernet KNX over IP line status LED (**B**)	ON: Correct operation	ON: Device factory reset
By-me BUS line status LED (**C**)		
Ethernet KNX over IP line traffic LED (**D**)	ON: Data traffic presence	-
Traffic on By-me BUS line LED (**E**)		
GA LED (**F**)	-	ON: Device not configured
PA LED (**G**)		
Configuration LED (**I**)	-	ON: Device in the configuration phase

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