KNX-GSM-Gateway

EIB/KNX remote control and alarming with a mobile phone

Highlights

- Bi-directional EIB/KNX GSM communication via short messages (SMS)
- Quadband GSM support for worldwide use
- Only additional SIM card required, no other hardware is needed
- Integrated EIB/KNX bus coupling unit with two wire EIB/KNX connector
- Integrated real time clock
- Writing values to all 32767 group addresses by SMS
- Up to 100 event messages can be set to up to 8 receivers
- A receiver can be:
  *mobile phone, *telephone, *fax, *e-mail address
- Eight event time ranges are possible, time synchronisation via EIB-DCF

- Access control for protection against unauthorized access to your EIB/KNX installation:
  · phone number filter
  · password protection for commands via SMS
  · group address filter
- Alarm input
- Automatic log in to the GSM network after power failure
- Alarming on sabotage, bus voltage loss, bus voltage return
- Routine event message every X hours for monitoring the gateway ("Alive SMS")
- Event message when starting the gateway ("BootUp SMS")
- Easy configuration using the EIBDoktor software

Introduction

The KNX-GSM Gateway offers a bi-directional communication between the EIB/KNX and the GSM network via short messages (SMS). This allows you to remote control and monitor your EIB/KNX installation with a mobile phone. Every authorized user can read from/write to EIB/KNX group addresses via mobile phone, if these addresses are unlocked in the KNX-GSM Gateway. Furthermore, the KNX-GSM Gateway provides the opportunity to send short messages to one or more receivers if certain events (e.g. "Temperature > x°C") occur. This can be used to inform the user about interferences.

The KNX-GSM Gateway supports the widespread mobile phone standard GSM. This is why it can be used in almost any place.

(*: network provider dependent)

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Fields of application
- Remote control your EIB/KNX-installation via mobile phone over GSM network
- Monitor your EIB/KNX-installation via mobile phone over GSM network

GSM Standards
The KNX-GSM Gateway was developed for operating in four different GSM frequency bands:

- 900MHz (mainly used in Europe)
- 1800MHz (mainly used in Europe)
- 850MHz (mainly used in USA)
- 1900MHz (mainly used in USA)

The KNX-GSM Gateway supports all current GSM standards because it uses GSM Quadband technology.

Important: You have to ensure that your GSM network provider supports the short message service and that this service is activated for your account!

SIM cards
A SIM card from a GSM network provider is needed for communication in the GSM network. This SIM card identifies the user in the GSM network. The KNX-GSM Gateway supports 1,8V and 3V mini SIM cards.

GSM antenna
Every GSM antenna with SMA connector (male) can be used with the KNX-GSM Gateway. You only have to ensure that the used antenna supports the frequency band used by your GSM network provider.

Note: The included antenna is a Dualband antenna which supports operation in the frequency bands 900MHz and 1800MHz. If you plan to use the KNX-GSM Gateway in the frequency band 850MHz or 1900MHz you have to provide an extra antenna which supports these frequency bands.

Technical data
Dimensions:	(W x H x D) (mm) 156 x 86 x 59
Power supply:	230V AC
Current consumption:	5VA
Temperature range:	0°C – 50°C (in operation)
Degree of protection:	IP40 (frontside, after installation)
Casing:	DIN-rail mounted, 9TE
GSM standard:	Quadband GSM (GSM 900, GSM 1800, GSM 850, GSM 1900)
GSM antenna:	5dBi antenna, Dualband GSM (GSM 900, GSM 1800), magnetic base, SMA connector (male)

Contents of delivery
- KNX-GSM Gateway
- Dualband GSM antenna (supports GSM frequency bands 900MHz and 1800MHz)
- EIBDoktor software for configuration
- Documentation

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