

The KNX gateway is an ideal solution to communicate with an existing KNX network. With simple serial ASCII commands you can define the KNX group addresses, which the converter will send or receive. The converter is ideal for touch panels, host controllers, DDCs, PLCs or other systems, which want to control KNX actuators or want to react to KNX switches or KNX sensors. Therefore the converter transforms the received KNX telegram into a simple ASCII string, which can be handled by the host. When the host sends a specific ASCII string to the converter, this string is converted into a KNX telegram and sent onto the KNX network.



With this converter you get a powerful module for integrating EIB/KNX systems into your application.

The converter communicates with the host via RS232 or RS485 interface with simple ASCII commands. When the host wants to send a EIB/KNX telegram, it sends e.g. the ASCII string

#WG1.2.3=1<CR>

The converter answers with

OK<CR>

and sends the KNX telegram Set group 1.2.3 to 1.

When the converter receives a EIB/KNX telegram e.g. from a room controller, it sends this simple ASCII string to the host:

#RG2.3.255=23.45<CR>

First you have to define, which EIB/KNX group addresses you want to receive or send. This also is done with a simple ASCII command:

#DG1.2.0-1.2.255=BIT;RW<CR>

The converter supports all standard EIB/KNX data types up to generic 14 byte data. The integrated EIB/KNX chipset TPUART retransmit the telegram, if a bus collision is detected. So this converter is well suited for connecting a touch panel to a EIB/KNX system or to

connect a standard PLC with a RS232 or RS485 serial interface to the EIB/KNX bus.

To query a KNX value from a KNX device send to the converter:

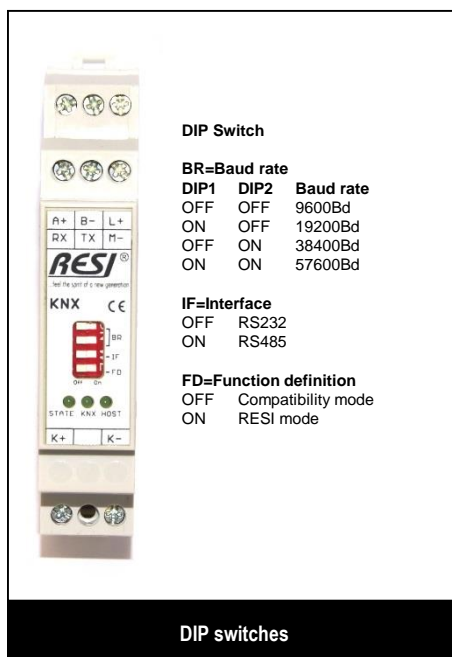
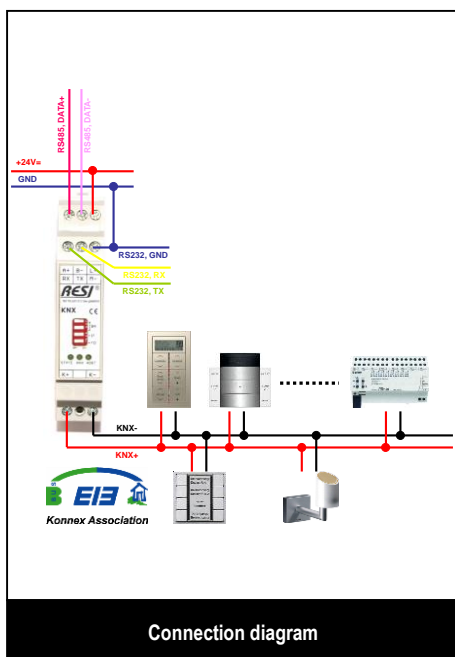
#QG2.3.255<CR>

The answer from the KNX device will follow like

#RG2.3.255=23.45<CR>

RESI-KNX-GW

Connects a host with ASCII string interface to EIB/KNX bus, Host communication: via RS232 or RS485 with simple ASCII strings, Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit, All 32768 EIB/KNX groups are supported, Galvanic insulation between EIB/KNX and serial interface, Configuration of EIB/KNX groups with free PC software MODBUS configurator or via ASCII strings, Weight: 55g, Dimension (LxWxH): 17,5x90x58mm, Power supply: 24V=, Power consumption: <0.5W, Mountable onto a EN50022 DIN rail.



- ### AT A GLANCE
- Connects a host with a serial interface to a KNX network
 - Host communication: via RS232 or RS485 with easy ASCII serial protocol
 - Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit
 - event oriented communication between KNX bus and serial host
 - galvanic insulation between KNX and RS232/RS485 interface
 - supports all 14 KNX data types
 - supports all 32.767 KNX group addresses
 - Power supply: 24V=
 - Power consumption: <0.5W
 - Mountable onto a EN50022 DIN rail