

Our KNX ASCII converter is a bridge between standard host computers with an MODBUS/RTU or ASCII interface and KNX networks. The gateway is connected to the host via RS232 or RS485 interface. With our MODBUS configurator software tool, you can generate a mapping table between the internal registers and the KNX group addresses for our converter. This product is an ideal solution to enable controller, which do not support a native KNX interface, to exchange data with a KNX network. This affects standard PLCs like SIEMENS®, SCHNIEDER® or BECKOFF®, but also DDCs, mini computer like the Raspberry PI®, standard PCs or touch panels.



This product convinces with a very simple configuration of the mapping between the internal registers and KNX groups. With this internal registers you can read the KNX groups, but you can also write to KNX groups.

The converter supports the following data formats on the KNX side: BIT, TWOBITS, FOURBITS, SIXBITS, CHARACTER, UINT8, SINT8, UINT16, SINT16, FLOAT16, TIME, DATE, UINT32, SINT32, FLOAT32, STRING, GENERIC, DATETIME

On the serial side the converter supports the following data types: UINT16, SINT16, UINT32, SINT32, UINT32R, SINT32R, FLOAT32, FLOAT32R, DOUBLE64, DOUBLE64R, GENERIC, ASCII

An additional scaling factor allows the adaption of the number range in the internal register. Configuration is done with our free software tool MODBUS configurator.

RESI-KNX-ASCII

Connects a host with MODBUS/RTU or ASCII interface to EIB/KNX bus, Host communication: via RS232 or RS485 with MODBUS/RTU or ASCII protocol, 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, mapping table size: 300 configuration entries, configuration of EIB/KNX groups, internal registers and datatypes with our free PC software MODBUS configurator, Weight: 55g, Dimension (LxWxH): 17,5x90x58mm, Power supply: 24V=, Power consumption: <0.5W, Mountable onto a EN50022 DIN rail.

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4x2	SINT16	0	1.1.4	FLOAT16	READ	10	7777	F1.04 RL-Pelletskessel
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4x4	SINT16	0	1.1.8	FLOAT16	READ	10	7777	F1.08 RL-Pelletskessel
4x5	SINT16	0	1.1.9	FLOAT16	READ	10	2222	F1.09 Aussentemperatur
4x6	SINT16	0	1.2.1	FLOAT16	READ	10	2225	F2.01 Pufferspeicher 1
4x7	SINT16	0	1.2.6	FLOAT16	READ	10	2222	F2.06 Pufferspeicher 2
4x8	SIN116	U	1.2.11	FLOAT16	READ	10	7777	F2.11 Putterspeicher 3
4x9	SINTIB	U	1.2.17	FLUATIN	READ	10	1111	FZ.17 Putterspeicher 4
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4x11	SINTIE	U	1.3.1	FLUATIS	READ	10	1111	F3.01 VL-Solarsystem
4X12	SINTIG	U	1.3.2	FLOATIS	READ	10		F3.02 HL-Solarsystem
4X13	SINTIG	0	1.4.1	FLOATIS	READ	10	0000	F4.01 VL-rieizsystem
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4x25	SINT32	0	9.3.2	UINT32	BEAD	0.001	2222	Z3.01.05 WMZ BL-Solar P
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4x29	SINT32	0	9.4.29	UINT32	BEAD	0.001	2222	Z4.01.01 WMZ BL-Heizsystem Q
4x31	SINT32	0	9.4.30	UINT32	READ	0.001	2222	Z4.01.02 WMZ RL-Heizsystem V
4x33	SINT16	0	1.4.2	FLOAT16	READ	10	2222	Z4.01.03 WMZ T-VL
4x34	SINT16	0	1.4.3	FLOAT16	READ	10	2222	Z4.01.04 WMZ T-RL
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6	B B O						Connects a hos	t with a serial MODBUS/RTU or
		DIP Switch					ASCII interface	to a KNX network
(C)	B B C	DIP1 DIP OFF OFF	ate 2 Baud rate 9600Bd	,			Mapping table I groups	between internal register and KNX
R	X TX M-	OFF ON OFF ON ON ON	38400Bd 57600Bd				Max. 300 mapp	ings
K	ne sant d'e new generation NX CE	IF=Interfac)				Host communic	ation: via RS232 or RS485
]BR - 1F	OFF RS2 ON RS4	32 85				Host baud rates no or even pari	s: 9600, 19200, 38400 or 57600Bd, ty, 8 data bits, 1 stop bit
ST	OH DO TE KNX HOST	FD=Function OFF The mer	e FLASH			galvanic insulat RS232/RS485	ion between KNX and interface	
K	+ K-	ON The	unit ID 255 is	used			supports all 32.	767 KNX group addresses
							Power supply: 2	24V=
							Power consum	otion: <0.5W
							Mountable onto	a EN50022 DIN rail
		DIP switch	es					

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