

MODBUSConfigurator

RESI's MODBUS Configurator V1.10.7.2 - [C:\MBCConfigurator 2020\KNX Sample Temperature2.mcp]

Local COM port settings
 Modbus unit: 255 Device: COM4 Stopbits: 1 stopbit IP-Address:
 Baudrate: 57600 Parity: NONE Port:

Device specific
 Download config Test connection Test
 RESH-KNX-SIO KNX to MODBUS/RTU+ASCII module
 Software version: ??? State: ???

Upload config
 MODBUS Address: 255 Baudrate: 57600 Parity: NONE Stopbits: 1 stopbit KNX Address: 15.15.255

MODBUS/RTU
 Register Datatype Interval Factor
 1 FLOAT32 0 1

KNX
 Group Datatype Direction Comment
 3.5.10 FLOAT16 READ Actual temperature

MODBUS register	MODBUS datatype	MODBUS interval	KNX group	KNX datatype	KNX direction	Factor	Value
4x1	FLOAT32	0	3.5.10	FLOAT16	READ	1	????
4x3	FLOAT32	0	3.5.11	FLOAT16	READ-WRITE	1	????
4x5	UINT16	0	1.4.128	BIT	READ-WRITE	1	????

Project manager
 HELIOTHERM KNX MODBUS MASTER
 HELIOTHERM V138 - RESI KNX MASTER

Local COM port settings
 Modbus unit: 255 Device: COM4 IP-Address:
 Baudrate: 9600 Parity: NONE Port:

Device specific
 Download config Test connection Test
 HELIOTHERM V138 KNX to MODBUS/RTU MASTER module
 Software version: ??? State: ???

Upload config
 Modbus address: 255 Modbus parity: NONE KNX address: 15.15.255

KNX MB/RTU MASTER Test Bench

KNX group	KNX datatype	KNX direction	KNX delta	KNX interval	Unit ID	MODBUS register	MODBUS datatype	Factor	Comment
18.5.10	SINT16	WRITE	1	60	1	18	SINT16	1	Temp. Ausson
18.5.11	SINT16	WRITE	1	60	1	19	SINT16	1	Temp. Beschwesser
18.5.12	SINT16	WRITE	1	60	1	20	SINT16	1	Temp. Vorlauf
18.5.13	SINT16	WRITE	1	60	1	21	SINT16	1	Temp. Rucklauf
18.5.14	SINT16	WRITE	1	60	1	22	SINT16	1	Temp. Pufferspeicher
18.5.15	SINT16	WRITE	1	60	1	23	SINT16	1	Temp. EQ_Ausstritt
18.5.16	SINT16	WRITE	1	60	1	24	SINT16	1	Temp. EQ_Austritt
18.5.17	SINT16	WRITE	1	60	1	25	SINT16	1	Temp. Sauggas
18.5.18	SINT16	WRITE	1	60	1	26	SINT16	1	Temp. Verdampfung
18.5.19	SINT16	WRITE	1	60	1	27	SINT16	1	Temp. Kondensation
18.5.20	SINT16	WRITE	1	60	1	28	SINT16	1	Temp. Heissgas
18.5.21	SINT16	WRITE	1	30	1	29	SINT16	1	Niederdruck (bar)
18.5.22	SINT16	WRITE	1	30	1	30	SINT16	1	Hochdruck (bar)
18.5.23	SINT16	WRITE	1	45	1	31	SINT16	1	Heckschlepppumpe
18.5.24	SINT16	WRITE	1	45	1	32	SINT16	1	Pufferledpumpe
18.5.25	SINT16	WRITE	1	45	1	33	SINT16	1	Verdichter
18.5.26	SINT16	WRITE	1	45	1	34	SINT16	1	Steuerung
18.5.27	SINT16	WRITE	1	45	1	35	SINT16	1	Vierwegeventil Luft
18.5.28	SINT16	WRITE	1	100	1	36	SINT16	1	WM2_Durchfluss
18.5.29	SINT16	WRITE	1	45	1	37	SINT16	1	n-Stell Verdichter(T)
18.5.30	SINT16	WRITE	1	60	1	38	SINT16	1	COP

MS/RTU ID Trigger Command Start Length Timeout Repeats Pause Comment
 1 Every 1s 3 Read Multiple Holding Registers 18 32 1000 1 0 Werte lesen Teil 1
 1 Every 1s 2 Read Multiple Holding Registers 68 16 1000 1 18 Werte lesen Teil 2
 1 On KNX value received 6 Write Single Holding Register 108 35 1000 1 18 Werte schreiben

Simple test
 Test read-out & display of KNX data

Easy config
 Simple list configuration

FREE
 Download for free from www.RESI.cc

Windows based