

Datasheet HVAC Building Automation Package SL



HVAC Modbus Library. Send and receive Modbus data points via RTU (serial) or TCP. Finished function blocks many manufacturers and devices from building automation.
www.hvac-automation.com

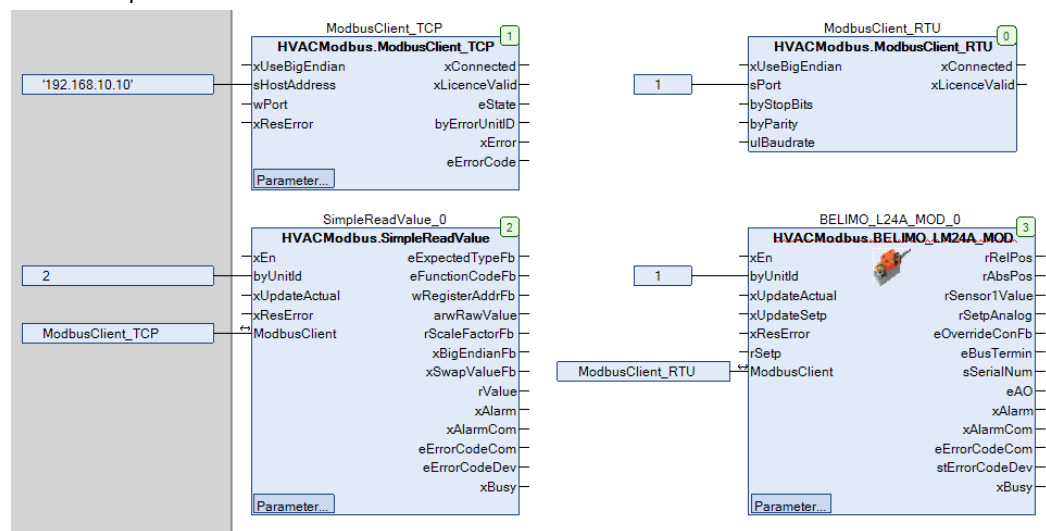
Without purchasing a license (just download), the HVACLibrary SL runs for 30 minutes without functional limitations and disconnects automatically (demo).

Product Description

The HVAC Modbus SL contains function blocks for Modbus communication. The library is designed for the CFC Editor. Via a master block (serial or TCP) "slave" devices are attached. Slave devices can be single Modbus queries or completely finished device blocks from many manufacturers. This simplifies the commissioning extremely!

The HVAC Modbus Library can be perfectly complemented with the decentralized powerIO® system, which is based on working with communicative Modbus sensors and actuators. Serial stations are immediately converted to TCP and can be queried via a CODESYS controller. Further information about the decentralized system under <http://www.powerio.com>

CFC Example:



The HVAC Modbus SL library runs independently from the CODESYS Modbus library. There is no need to use a controller with CODESYS Modbus library.

Detailed Wiki on www.hvac-automation.com

In the HVAC Visu Library from the [HVAC Building Automation Package SL](#) there are Visu Frames matching the blocks:

art | Objekte eingeloggt als

Informationen Feldgerät

Hersteller Belimo
 Typ LR24A-Mod
 Beschreibung Kommunikativer Drehantrieb für Kugelhahnen
 5 Nm

Gerät - Informationen und Parameter

Status Alarm

relative Position 0,0 % A

absolute Position 0,0 ° A

Min Position 0,0 % ✎

Max Position 100,0 % ✎

Seriennummer Gerät 1907-10203-XXX-160

Handübersteuerung am Antrieb Automatik

✕ CANCEL

Range of Functions

Overview of all function modules of different manufacturers (constant addition of further devices).

Hersteller	Gerät
Belimo	BELIMO_EPO15R_R6_MOD
	BELIMO_LM24A_MOD
	BELIMO_LMV_D3
	BELIMO_LR24A_MOD
	BELIMO_NM24A_MOD
	BELIMO_NR24A_MOD
	BELIMO_NV24A_MOD
	BELIMO_SF24A_MOD
Danfoss	VLT_HVAC_DRIVE

EBM-papst	SERIEN_84_112_150_200
Elsner	ELSNER_P03_3_MODBUS_MIT_GPS
Finder	FINDER_7E_78_8_400_0212
Grundfos	GRUNDFOS_MAGNA_3_MONO
Kampmann	FanCoil
Oppermann	OPPERMANN_KRM_2_DZ_MOD
	OPPERMANN_WS10_MOD
powerIO	POWERIO_T1_R100
	POWERIO_T1_R300
Rosenberg	FAN_EC_MOTOR
	FAN_EC_MOTOR_BG5_6_GEN3
S+S Regeltechnik	SPLUSS_FSFTM_CO2_MOD
	SPLUSS_FSFTM_MOD
	SPLUSS_KFTM_LQ_CO2_MOD
	SPLUSS_RFTM_LQ_CO2_MOD
	SPLUSS_AFTF_MOD
	SPLUSS_KFTF_MOD
	SPLUSS_RPFTF_MOD
	SPLUSS_TW_MOD
	SPLUSS_VFTF_MOD
	SPLUSS_2327_MOD_LCD
	SPLUSS_2328_MOD_LCD
	SPLUSS_RYMASKON_21X_MOD
	SPLUSS_RYMASKON_22X_MOD
	SPLUSS_RTM1_MOD
	SPLUSS_ALTM1_MOD
	SPLUSS_ALTM2_MOD
	SPLUSS_ATM2_MOD
	SPLUSS_HFTM_MOD
	SPLUSS_MWTM_MOD
	SPLUSS_RPTM1_MOD
SPLUSS_RPTM2_MOD	
SPLUSS_TM65_MOD	
Thermokon	THERMOKON_NOVOS_TOUCH
Trox	TROX_BM0
	TROX_XM0
Wilo	WILO_STRATOS_MAXO_MONO

General Information



Supplier	powerIO GmbH Eberhardstr. 65 70173 Stuttgart Germany
Support	support@powerio.com
Product	HVAC Building Automation Package SL
Order Number	2312000005
Sales	CODESYS Store store.codesys.com
Scope of Delivery	<ul style="list-style-type: none"> ▪ HVAC Library ▪ HVACV Library (Visu elements) ▪ Example Project in CFC with visualization

System requirements and limitations

Programming System	CODESYS Development System V3.5.9.0
Target System	CODESYS Control V3.5.9.0
Supported Platforms / Devices	<p>Tested devices: CODESYS Control Win V3, Raspberry Pi, Beagle Bone Black, WAGO PFC 200, Janztec emPC-a/iMX6</p> <p>Notice: Use the project 'Device Reader' to find out the supported features of your device. 'Device Reader' is available for free in the CODESYS Store.</p>
Additional Requirements	no
Restrictions	
Licensing	License activation optional on CODESYS Runtime Key or CODESYS Softcontainer.