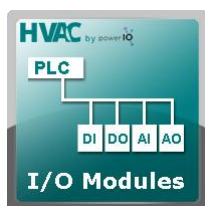


Datasheet HVAC I/O Modbus Modules



The **HVAC ModbusIO2 Library** enables straightforward configuration of H1.X I/O modules with minimal engineering overhead. The library provides practice-optimized function blocks for easy use of Modbus IO modules.

For more information: <https://support.powerio.com/hub/codesys-hvac/hvac-modbusio2-lib/beschreibung>

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Description

The **HVAC ModbusIO2 Library** integrates **powerIO® H1.X I/O modules** directly into your CODESYS V3 application. The library enables quick commissioning without complex engineering – a master function block communicates with the respective slave blocks of the I/O modules.

Description and documentation: [HVAC ModbusIO2 Library](#)

This enables you to, for example:

- Access analog and digital inputs/outputs via Modbus RTU
- Select sensor types (PT1000, Ni 1000, NTC 10k, etc.) directly on the function block
- Configure I/O handling such as negation, two-point function, limit value, or filter function
- Control 3-point actuators with the H1.4DI2DO-R-3P module

Supported Modules

- [H1.8AI](#) – 8 analog inputs for sensor values
- [H1.8AO](#) – 8 analog outputs (0..10V control signals)
- [H1.16DI](#) – 16 digital inputs for signals
- [H1.8DO](#) – 8 digital outputs
- [H1.8DO-R](#) – 8 digital outputs with relay
- [H1.4DO-R](#) – 4 digital outputs with relay
- [H1.4DIO-R](#) – 4 digital inputs/outputs with relay
- [H1.4DI2DO-R-3P](#) – for 3-point actuators

Key Features

- Parameter window per module for slave address, bus timeout, send and query times
- Optimized for the CFC editor
- Safe output states before initialization (xUseSafeStateBeforeInit)
- Ideally combinable with the HVAC Building Automation Package and the powerIO® system

All modules in shop: [powerIO® Modbus I/O Modules](#)

Manufacturer

Supplier	powerIO GmbH
Address	Eberhardstr. 65, 70173 Stuttgart, Deutschland
E-Mail	office@powerio.com
Support Page	https://support.powerio.com/
Support E-Mail	support@powerio.com

General Information

Product	HVAC I/O Modbus Modules
Article Number	2312000001
Scope of Delivery	HVAC I/O Modbus Device Descriptions, Example Project
Demo/Test Mode	
Distribution	CODESYS Store – https://store.codesys.com

System Requirements and Limitations

Programming System	CODESYS Development System V3.5.17.20 or higher
Runtime System	CODESYS Control V4.2.0.0 or higher
Supported Platforms	All CODESYS runtime systems in the specified version

Licensing



This product is free and does not require licensing.