Datasheet HVAC Alarming SL



The **HVAC Alarming Library** is a CODESYS library that reports states in five message classes via the CODESYS AlarmManager. Adding entries to the alarm list, removing them and preparing the message texts is handled by the library.

Also included in the **HVAC Building & Process Automation SL** package.

For more information: https://support.powerio.com/hub/codesys-hvac/hvac-alarming-library/description

Without license acquisition (download only), the HVAC Alarming SL operates for 30 minutes without functional limitations (Demo).

Description

The **HVAC Alarming SL** provides alarming for HVAC applications with five message classes via the CODESYS AlarmManager. The library cyclically raises and clears plant states in the AlarmManager. A user function block only passes the pending signal and a pointer to the message text – adding entries to the alarm list, removing them and preparing the display text is handled by the library.

Description and documentation: HVAC Alarming Library

Message Classes

- **Alarm**
- **Error / Warning**
- **Hand / Manual Mode**
- **Hint / Info**
- **Service / Maintenance**

Each message class corresponds to a fixed alarm ID of the alarm group **HVAC_Alarming**.

Use Cases

- Show alarms and faults of HVAC plants in the CODESYS alarm list
- Make manual mode and maintenance demand of plant components visible
- Consistent message texts including the instance path to quickly locate the message source

Key Features

- Combined function block with all five message classes plus five single function blocks for exactly one message class each
- Automatic raising and clearing of messages in the CODESYS AlarmManager
- Message text built from an optional prefix, the base text and optionally the instance path
- Alarming can be disabled per instance or globally, with all messages cleanly removed

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General Information

Product	HVAC Alarming SL
Article Number	0000000000
Scope of Delivery	HVAC Alarming Library
Demo/Test Mode	30 minutes
Distribution	CODESYS Store – https://store.codesys.com

System Requirements and Limitations

Programming System	CODESYS Development System V3.5.21.20 or higher
Runtime System	CODESYS Control V4.10.0.0 or higher
Supported Platforms	All CODESYS runtime systems in the specified version

Licensing



Single device license: The license can be used on the controller where the CODESYS runtime system is installed.

License activation is done on a software-based license container (soft container) that is permanently bound to the controller. Alternatively, the license can be stored on a CODESYS Key (USB dongle). By plugging the CODESYS Key into a different controller, the license can be used on that controller.

Without license acquisition (download only), the library functions for 30 minutes without functional limitations (Demo).

License: HVAC Alarming SL License

Note: Use the "Device Reader" project to determine the functions supported by the controller. "Device Reader" is available free of charge in the CODESYS Store.

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