CL110/TH110
SE Driver for Power Monitoring Expert
Release Notes

This document contains information about the EcoStruxure™ Power Monitoring Expert 2020/9.0/8.2 CU3 SE (Standard Edition) driver for the CL110/TH110 range of devices.

In this Document

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This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs change from time to time, always ask for confirmation of the information given in this publication.

Additional Information

- CL110/TH110 device documentation
- Power Monitoring Expert 2020/9.0/8.2 CU3 documentation

Version History

The following table lists the version history of the CL110/TH110 driver:

Version Number	Description of changes:
1.1.0.0	License type updated to 0.05M
1.0.0.0	First Release

Safety Information

Important information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Please note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

During installation or use of this software, pay attention to all safety messages that occur in the software and that are included in the documentation. The following safety messages apply to this software in its entirety.

⚠ WARNING
INACCURATE DATA RESULTS • Do not incorrectly configure the software, as this can lead to inaccurate reports and/or data results. • Do not base your maintenance or service actions solely on messages and information displayed by the software. • Do not rely solely on software messages and reports to determine if the system is functioning correctly or meeting all applicable standards and requirements. • Consider the implications of unanticipated transmission delays or failures of communications links. **Failure to follow these instructions can result in death, serious injury, equipment damage, or permanent loss of data.**

CL110/TH110 Driver

Power Monitoring Expert Requirements

The device can be connected to Power Monitoring Expert 2020\9.1\8.2CU3 using the following method:

- Serial Device on Ethernet Gateway Site

Gateway	Firmware Version
ComX 510	6.5.4 and above
ComX 210	6.5.2 and above
PowerTag Link/PowerTag Link HD	001.006.007 and above

NOTE: Do not use this driver with ZBRN32 gateway.

Driver Version

This release notes apply to the CL110/TH110 driver version 1.1.0.0.

Supported Models

Device variant	Firmware Version
TH110	001.000.003
CL110	002.001.003

Device License Type

The CL110/TH110 device type consumes DL - 0.05M type license.

Features

This device driver supports the following features:

- All-important real-time registers

- Real-time data transfer using OPC and EWS

- A set of factory diagrams to view real-time data

- PC-Based Data / Event logs

- Support for the following factory-provided default reports in the Web-based Reports application:

    - Trend

    - Tabular

The list of features supported based on below gateway connection:

Features	ComX	PowerTag Link/PowerTag Link HD
Temperature	✓	✓
Relative humidity	✓	✓
Communication status	✗	✓
RSSI/LQI Gateway	✓	✓
RSSI/LQI/PER Link	✗	✓
Communication status Alarm	✗	✓

Installation

Device Driver Installer

> ### ⚠ WARNING
>
> **LOSS OF CONTROL**
>
> Do not ignore the alerts during driver installation. If you choose to ignore such alerts, the driver will be installed but may operate incorrectly.
>
> **Failure to follow this instruction can result in death or serious injury, or equipment damage.**

The associated device driver installer is used to add this driver and all the required supporting files to the target Power Monitoring Expert system. The supporting files consist of:

- Device map and tree files

- Vista diagrams

- CL110TH110_Plugin.dll

- .evt file

NOTE: The device driver installation process requires restarting the Site Server component of Power Monitoring Expert. This results in a brief disruption of the communication between the Power Monitoring Expert server and the devices connected to it.

Uninstalling

Uninstalling by re-running the installer removes all the files that were added by the Device Driver Installer.

NOTE: Uninstallation can only be performed when the device instance in management console is removed.

Repair

Repair by re-running the installer restores all device driver related modified files to the default files. All the modified files will be backed up in customized folder.

NOTE: Remove the translator files (ion and xml) from the folder config/translator after running the repair.

Implementation Details

Device Configuration and Upgrade

The device can be configured and firmware upgraded using EcoStruxure Power Commission Software.

NOTE: Power Monitoring Expert cannot be used to configure this device or to upgrade the device firmware.

PC-based Logging

The device driver allows you to log data using PC-based logging feature. The following measurements are logged by default using PC-based logging:

Measurements	Default Logging Interval	CL110	TH110
Temperature	900	✓	✓
Relative Humidity	900	✓	✗

To change the list of measurements being logged, use the Device Type Editor, accessed from the **Tools > System** menu in **Management Console**.

Event Log

The driver supports PC-based event logging. The device driver polls the device alarm registers and checks if alarms have occurred in the device. The default polling interval is 30 seconds.

Event logging can be disabled for a device instance from the Logs page in the Vista diagram.

If you want to disable Event logs from the PME at device type level, copy CL110TH110.ion and CL110TH110.xml from the system/translators folder to config/translators folder and update the value to *false* for the registers *Event Logging* in CL110TH110.ion. file in config/translators folder.

Alarm Configuration

Users can configure alarms in PME to get alarm notification for high temperature levels.

To set up custom alarms:

1. Go to **Web Applications > Settings > Configurations Tools > Alarm Configurations > Add Alarm Rule**.
2. Select **Alarm Template: Realtime Setpoint > Select measurements: Environmental > Temperature\Custom > Relative Humidity**.
3. Click **Details**, and then define the alarm details by setting the active and inactive condition values. Set the alarm priority.
4. Click **Sources** and then select the sources for the alarms.
5. Click **Summary** and then click **Enable Realtime Alarm Status Measurements**.
6. Click **Save**.

Vista Factory Diagram Screenshots

This section contains samples of the Vista factory diagrams for the device.