



Product change notification: LTDV series

Date: February 16th 2026

Dear customer,

This notice is to inform you that, effective from **1st March 2026**, firmware updates will be introduced on the following product models:

- **LTDVE1CH-40F**
- **LTDVE2CH-20F**
- **LTDVE4CH-20**
- **LTDVE8CH-20**

These updates include performance optimizations, robustness improvements, and the introduction of an enhanced thermal protection mechanism, as detailed below.

Thermal Overload Protection – New Firmware Feature

The updated firmware introduces a **Thermal Overload Protection** function designed to safeguard the device against excessive thermal stress during operation under demanding environmental or electrical conditions.

This feature operates at driver level, with the following behavior:

- When a thermal overload condition is detected, the affected output driver is temporarily disabled to allow heat dissipation.
- The driver is automatically restored once normal operating conditions are re-established.
- No user intervention is required for the recovery process.

Configuration of this function is available through:

- Modbus register: *DRV_PRT_MODE*.
- Device web interface: General configuration page.

Further information is provided in the product manual.

The feature supports multiple intervention levels:

- **Highest** protection (average power limited to **40%** of absolute maximum power dissipation).
- **Intermediate** protection (average power limited to **60%** of absolute maximum power dissipation).
- **Lowest** protection (average power limited to **80%** of absolute maximum power dissipation).
- **Disabled**: protection disabled.

All units are shipped with the protection level set to **Highest** by default, providing maximum safety.

Users may adjust this level if unexpected output shutdowns occur; however, reducing the protection threshold decreases the level of thermal safeguarding and should be done with caution.

The installed firmware version is displayed in:

- Modbus register *MCU_VERSION*.
- The main page of the device web interface ("MCU Firmware Version").



Product-Specific Information

LTDVE1CH-40F

Units will be shipped starting from **1st March 2026**, beginning with serial number **BLI 001000**, with firmware version **FW 1.12** or later.

Firmware upgrades are supported for units manufactured prior to serial number **BLI 001000**.

LTDVE2CH-20F

Units will be shipped starting from **1st March 2026**, beginning with serial number **BGZ 001000**, with firmware version **FW 1.12** or later.

Firmware upgrades are supported for units manufactured prior to serial number **BGZ 001000**.

LTDVE4CH-20

Units will be shipped starting from **1st March 2026**, beginning with serial number **BDN 001000**, with firmware version **FW 1.22** or later.

Firmware upgrades are supported for units manufactured prior to serial number **BDN 001000**.

LTDVE8CH-20

Units will be shipped starting from **1st March 2026**, beginning with serial number **BDM 001000**, with firmware version **FW 1.22** or later.

For units with serial numbers prior to **BDM 001000**, installation of the new firmware is not supported.

Should you require further technical clarification or assistance with firmware migration, our [technical support team](#) is available to provide guidance.