1. Introduction

When used together with a Lynx Smart BMS, the Lynx Distributor can report status of each fuse, as well as raise an alarm when a fuse is blown. This status and alarm is visible on the connected GX Device and the VictronConnect app, and the alarm relay in the Lynx Smart BMS can be triggered by it.

There was an error in the hardware design of the Lynx Distributor that can cause it to falsely report a blown fuse: a fuse blown alarm is raised while the fuse is OK and connected circuit is powered.

This does not happen for all units/systems, but does for some.

This document details the problem, as well as solutions for faulty units and status of stock.

Note that this issue only affects systems using the Lynx Distributor with a Lynx Smart BMS and GX Device. Most installs using the Lynx Distributor do not have this and are thus not affected.

2. Affected serial numbers

Article description	Victron PN	Serial Nr
Lynx Distributor (M8)	LYN060102000	Issue fixed per HQ2244xxxxx
Lynx Distributor (M10)	LYN060102010	Not affected; all units are good

The format of the serial number is HQyywwzzzzz in which yy is the year, ww is the week number, and zzzzz is random. The serial number (SN) can be found on the label on the enclosure and on the label.

3. Shipping status

We're in the process of replacing bad stock with good in all warehouses. This table shows the status per 2022-31-01.

| LYN060102000 - Lynx Distributor (M8)	Status	Detail
The Netherlands	Good	Shipping only good stock per 2023-01-31
Australia	Good	Shipping only good stock per 2023-01-31
Spain	Bad	Good stock expected latest per March 2023
South Africa	Bad	Good stock expected latest per April 2023
US – California/Ontario	Bad	Good stock expected latest per April 2023
US – Georgia/Atlanta	Bad	Good stock expected latest per April 2023

For the warehouses still shipping bad stock, ask your Orderdesk to make sure to ship from the Arvato warehouse in The Netherlands.

Victron Energy B.V. | De Paal 35 | 1351 JG Almere | The Netherlands
E-mail: sales@victronenergy.com | www.victronenergy.com

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4. Details and work-around

The issue happens mostly with fuse 3, but is also seen on the other fuses.

Below screenshots show how the alarm looks on a GX device as well as in the VictronConnect app.

As a work-around, disable fuse monitoring. This is done using the VictronConnect app: log in to the Lynx Smart BMS, go to Settings and there at the bottom disable the fuse reporting for the fuse that gives the problem.
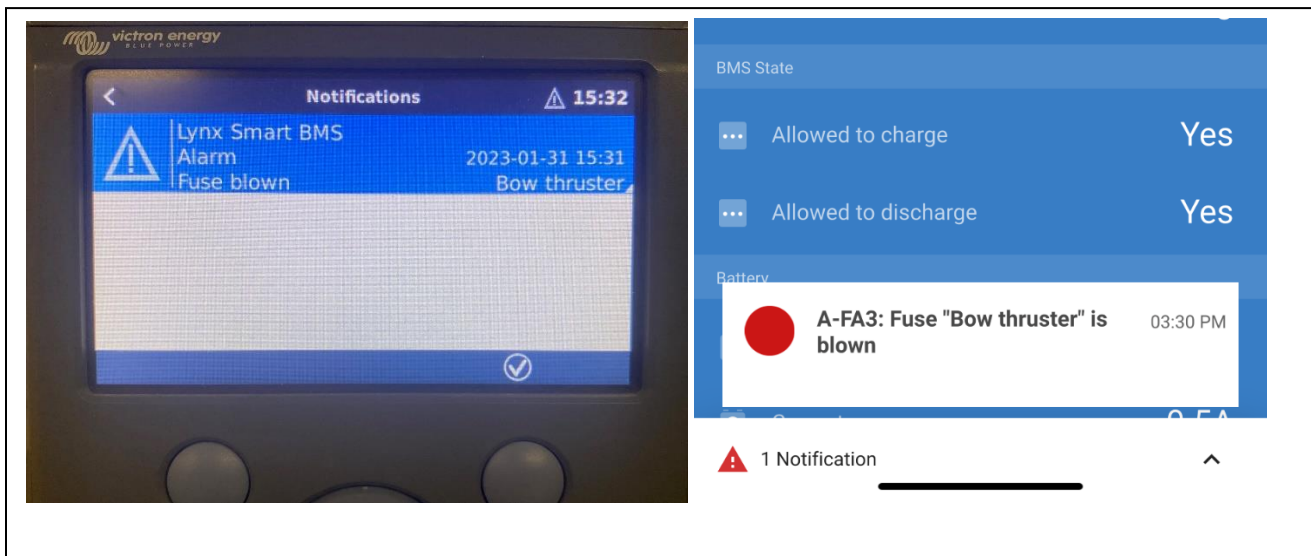
Screenshot left: Color Control GX
Screenshot right, VictronConnect App

5. Return policy and solutions

Any customer that has this problem is (of course) eligible for a free of charge replacement. Contact your dealer for more information.

Typical solutions:

Option 1 – replace via RMA (recommended)

Contact your dealer. Our repairs department is informed and will make sure all Lynx Distributor RMAs are replaced with a unit that includes the change in hardware.

Option 2 - self-modification

For any customer that prefers to make the modification by themselves, follow instructions in the appendix the next pages.

# Appendix - modification instructions

Change C1/C2, C4/C5, C8/C9, C11/C12, C14/C15, must become 0805 MLCC X7R value 10uF-10V/16V

Suitable parts are Murata: GRM21BR71A106KA73K, Samsung: CL21B106KOQNNNE/CL21B106KPQNNNE, Yageo: CC0805KKX7R7BB106 or CC0805KFX7R6BB106

After modification, a conformal coating, such as HumiSeal, is to be applied on the newly placed components to protect them from the environmental factors they are exposed to. Assure to protect any critical electrical contacts such as connectors against the lacquer as it will create malfunctions.
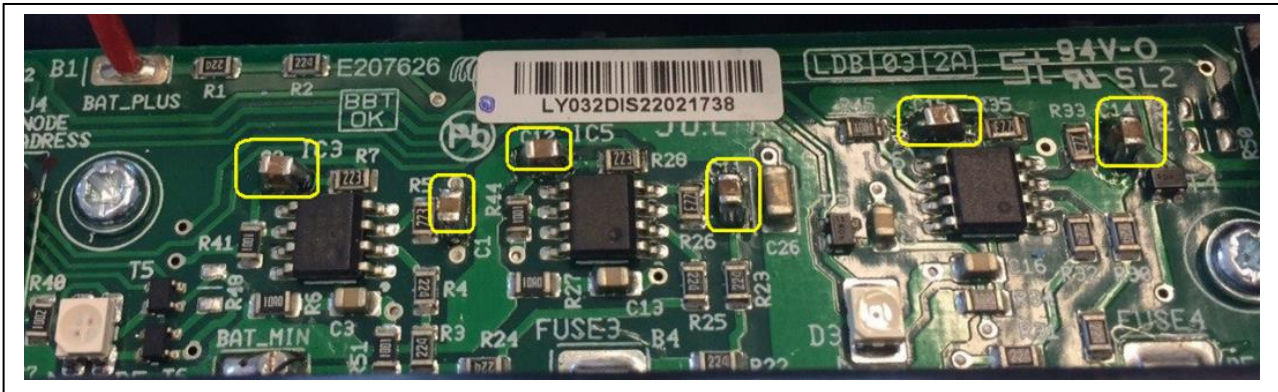
⚠️ Make sure to disconnect the product from the DC voltage before starting the modification. Preferably remove the product/pcba from the distributor before making the modification.
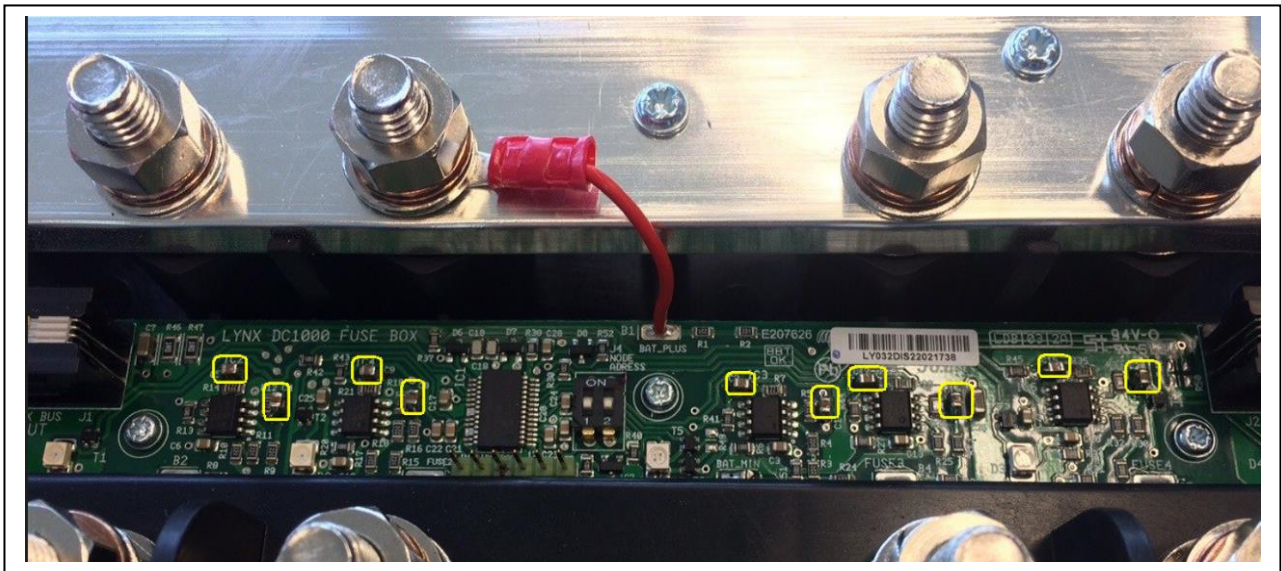
Detail 1

Detail 2

Lynx Distributor (M8)

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