GE Lightech LED Driver Programming Tool

BEFORE YOU BEGIN

Read these instructions completely and carefully.

Contents

Introduction

GE Lightech LED Driver Programming Tool allows you to program the driver supply current. You can control output levels, according to the client's request; either in the factory or during installation. There are two programmers; one for DALI LED drivers and one for 0-10V LED drivers.

- The DALI programmer TRIDONIC.USA DALI-BM RS-232 Art. No. 24 034 345 with a USB to RS232 adapter.

- The 0-10V is GE programmer Interface for GE 0-10V CC Programmable LED Drivers.

System requirements

The minimum system requirements are:

- Windows PC or laptop
- Microsoft Windows XP + SP3, Windows 7, or Windows 8
- Two free USB 2.0 ports recommended, at least one is needed.
- At least 30 MB of free disk space
- Microsoft .NET Framework 3.5 SP1

Installing GE Lightech LED Driver Programming Tool software

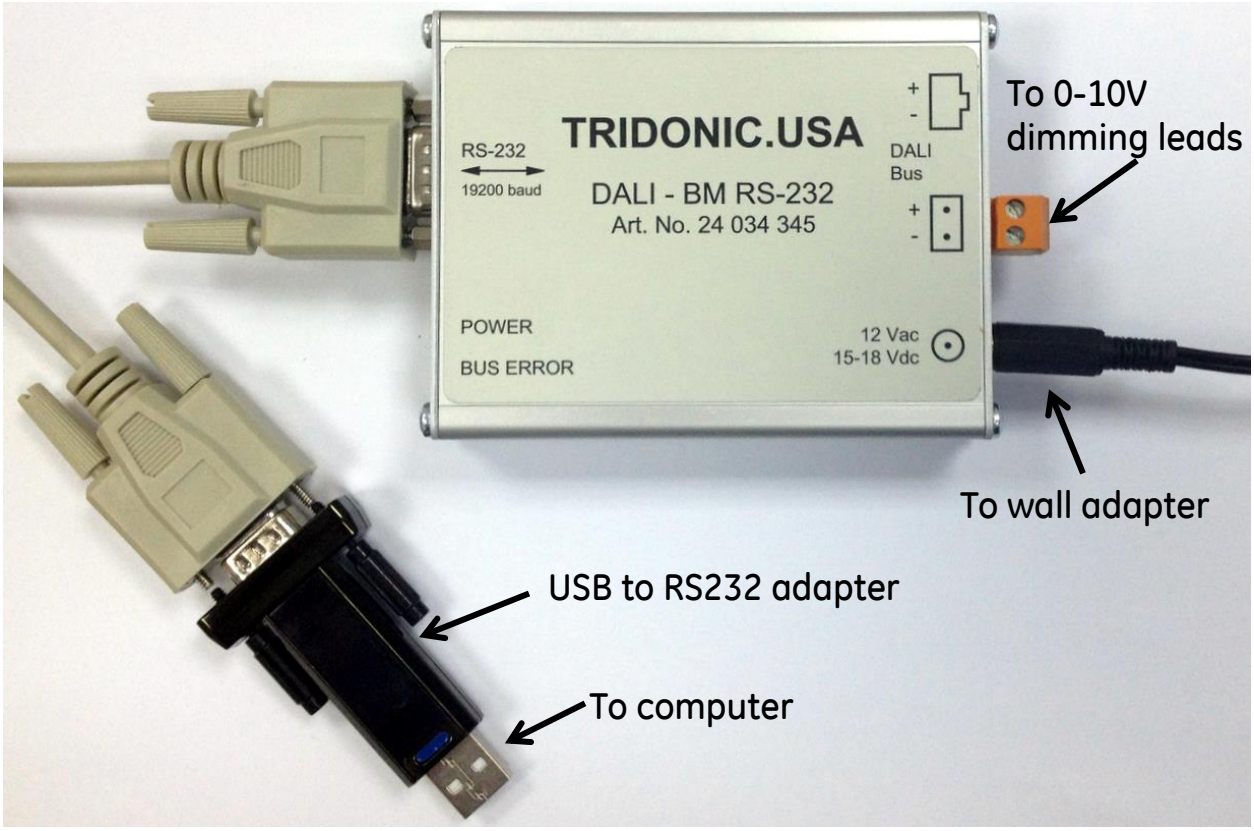
Run installer and follow the instructions on your screen. (To use the 0-10 programmer on Windows XP, a USB2RS232 driver must be installed: www.ftdichip.com/Drivers/D2XX.htm).

Programmer Interface

It is recommended, but not required, that both the DALI and the 0-10V programmers are connected to the computer at the same time. This allows programming of the full range of drivers. If only one type of LED driver (DALI or 0-10V) is to be programmed, then only the one, appropriate, programmer need be connected.

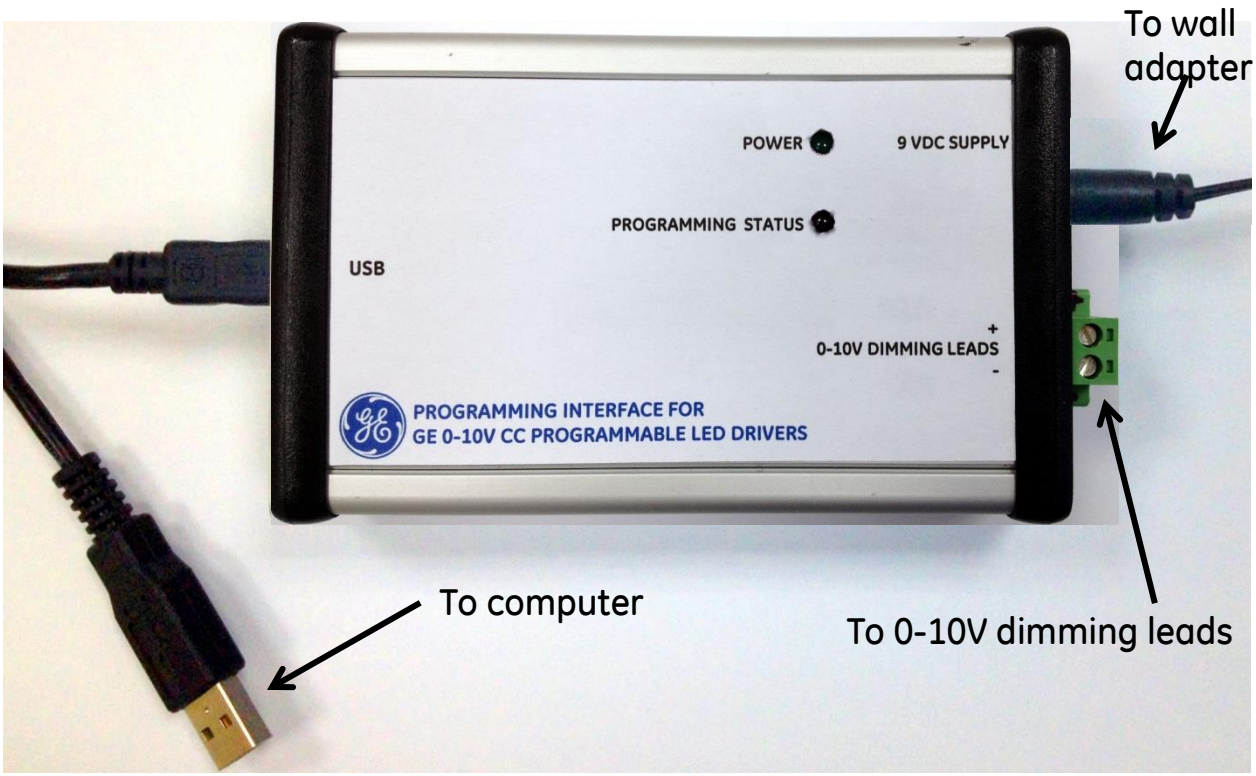
DALI Programmer

The Tridonic programmer with USB to RS232 adapter is the interface between the PC and the DALI LED driver. The programmer is supplied with a power adaptor that supplies the programmer with power.



0-10V Programmer

The GE Programmer is the interface between the PC and the 0-10V LED driver. The programmer is supplied with a power adaptor that supplies the programmer with power.



Working with GE Driver GE Lightech LED Driver Programming Tool Software

WARNING

RISK OF ELECTRIC SHOCK

TURN OFF POWER BEFORE SETUP
MAKE SURE POWER IS OFF BEFORE WIRING

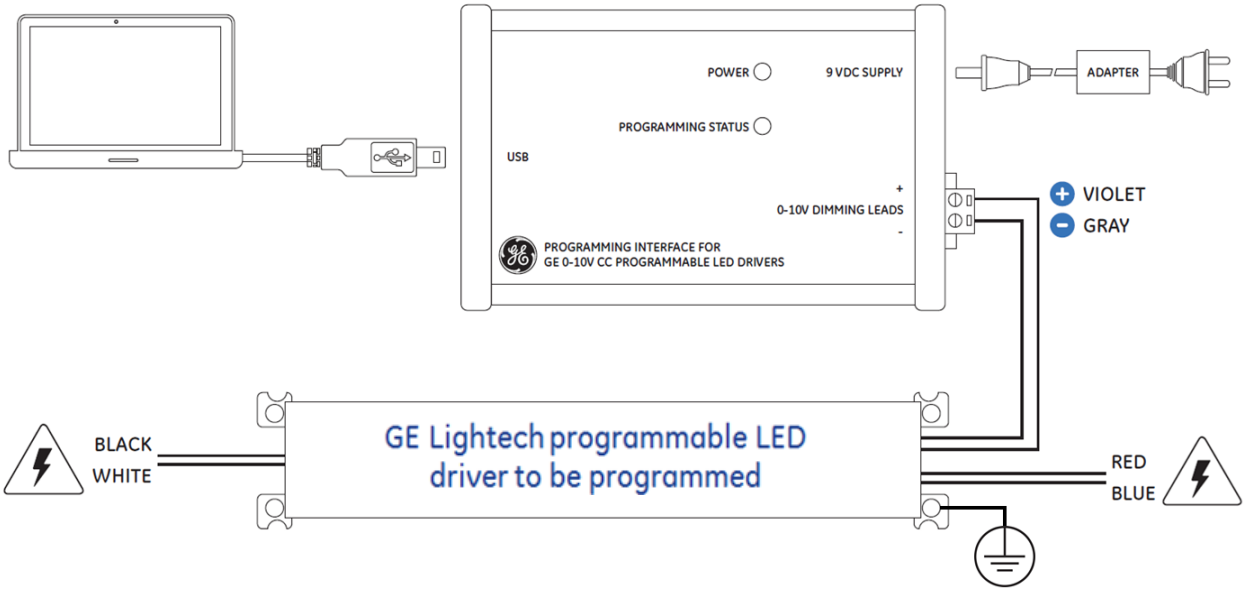
DRIVER CASE MUST BE GROUNDED BEFORE TURNING POWER ON

Before using GE Lightech LED Driver Programming Tool software, make sure that the driver that needs to be programmed is grounded and connected to the mains and that the DALI or 0-10V dimming wires are connected to the appropriate programmer:

Warnings:

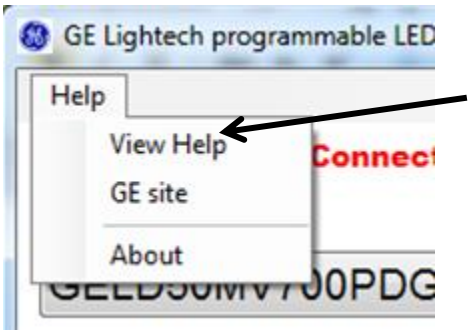
- There is a risk of shock relating to the AC main connection. Connection must be done by suitably trained personnel.
- Pay attention that the violet and gray dimming wires are connected to the + and -, respectively as shown.
- Before powering the LED driver, properly insulate the red and blue wires exposed copper extremities to avoid short-circuit and/or electric shock.
- Before powering the LED driver, the case must be properly grounded.

Note that it is important that the connections are secure in order to successfully program the GE Lightech programmable LED driver.



GE Lightech LED Driver Programming Tool Operation

After starting GE Lightech LED Driver Programming Tool software, the application window appears (see below). The application window also has links to the documentation under "Help".

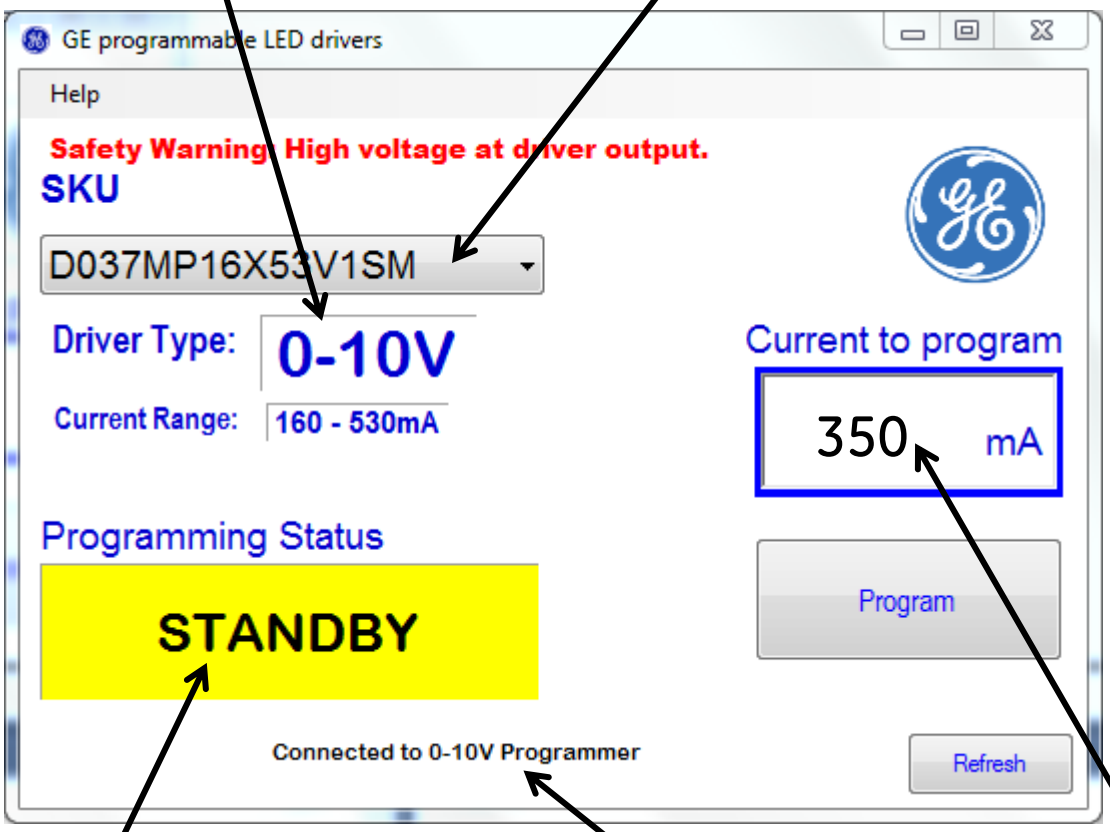


Click View Help to see the help manual

Step 1: Choose driver SKU from pull-down menu.
Step 2: Enter current to program.

Driver type: DALI or 0-10V

Choose driver SKU from pull-down menu



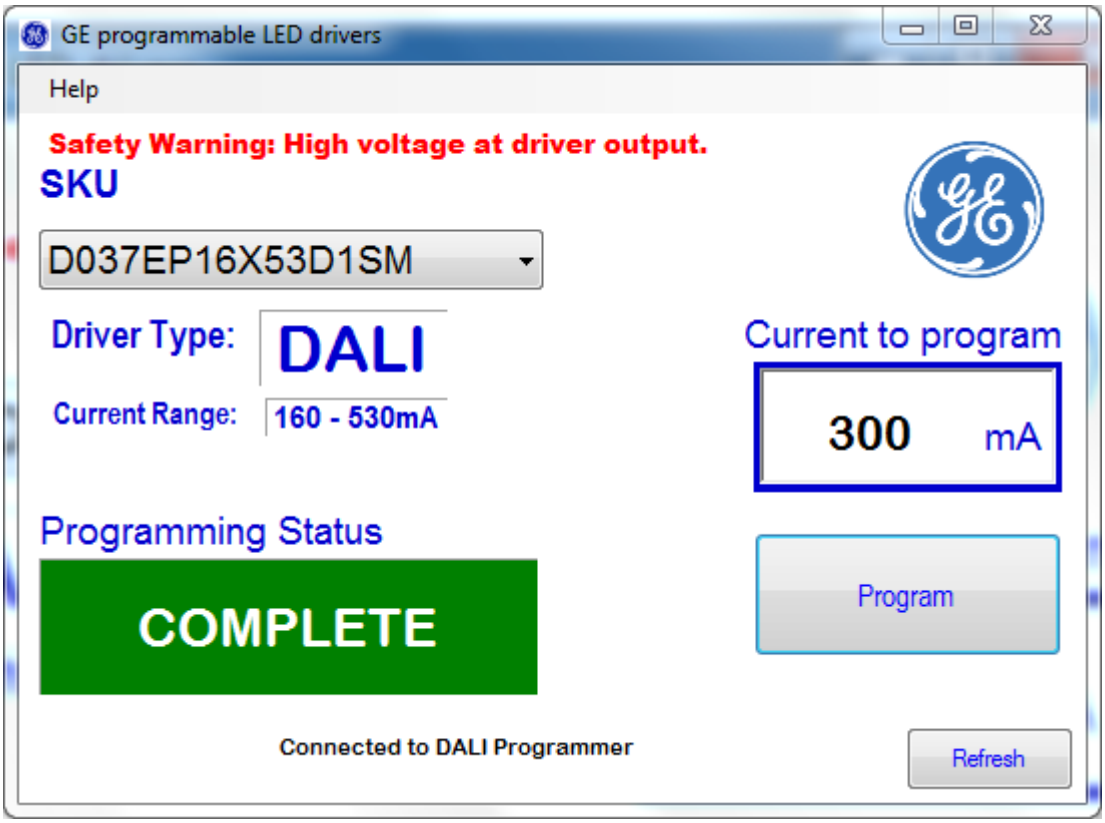
Yellow indicates "standby"

Indicates which programmer types are connected

Enter current to program

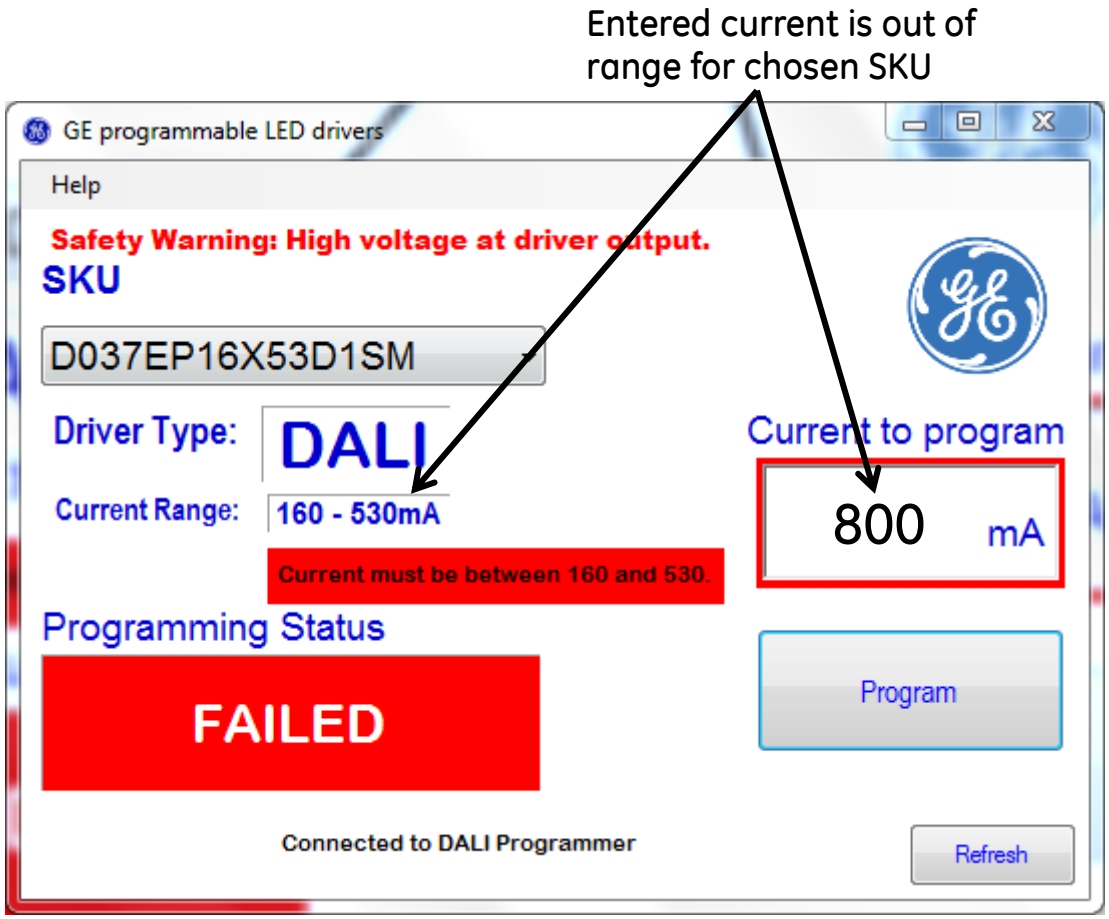
Step 3: Click “Program.

The programming status of green background with “complete” indicates that the programming was completed successfully. The LED driver may now be disconnected from the programmer.



Failed Programming

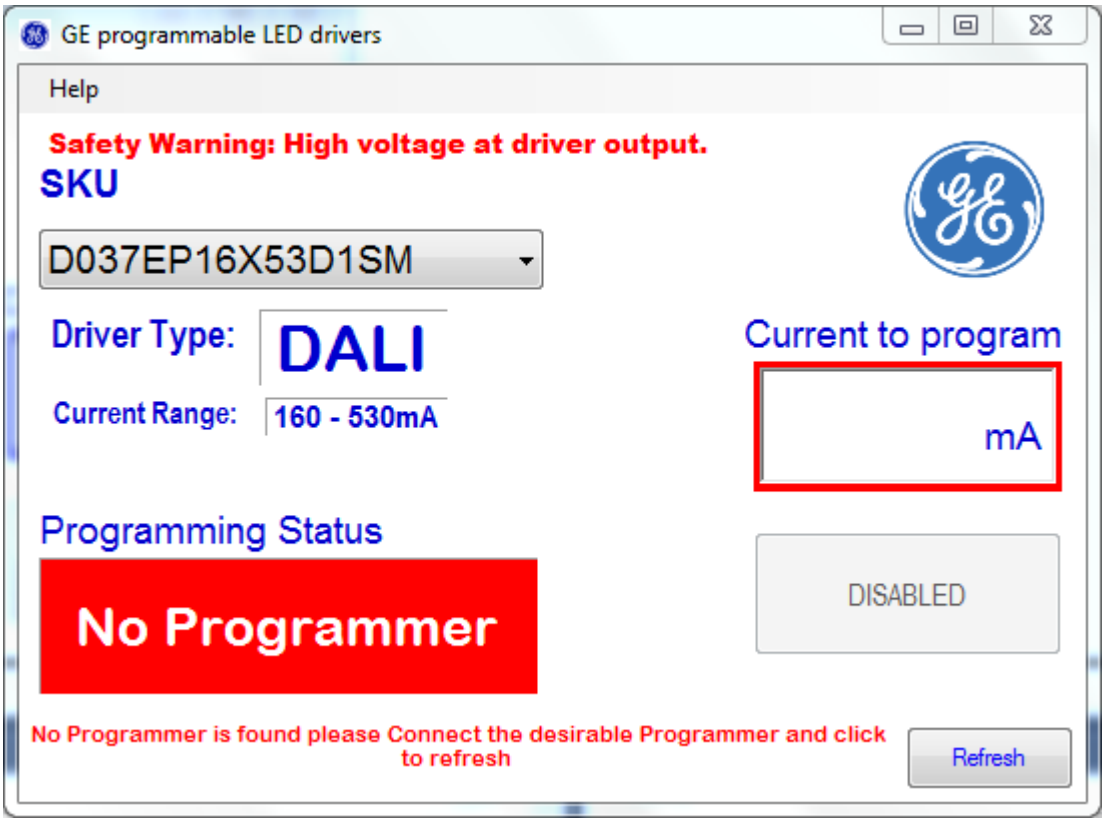
In case of error, the programming status of red background with “failed” indicates an error i.e. if an out of range current was entered.



Troubleshooting

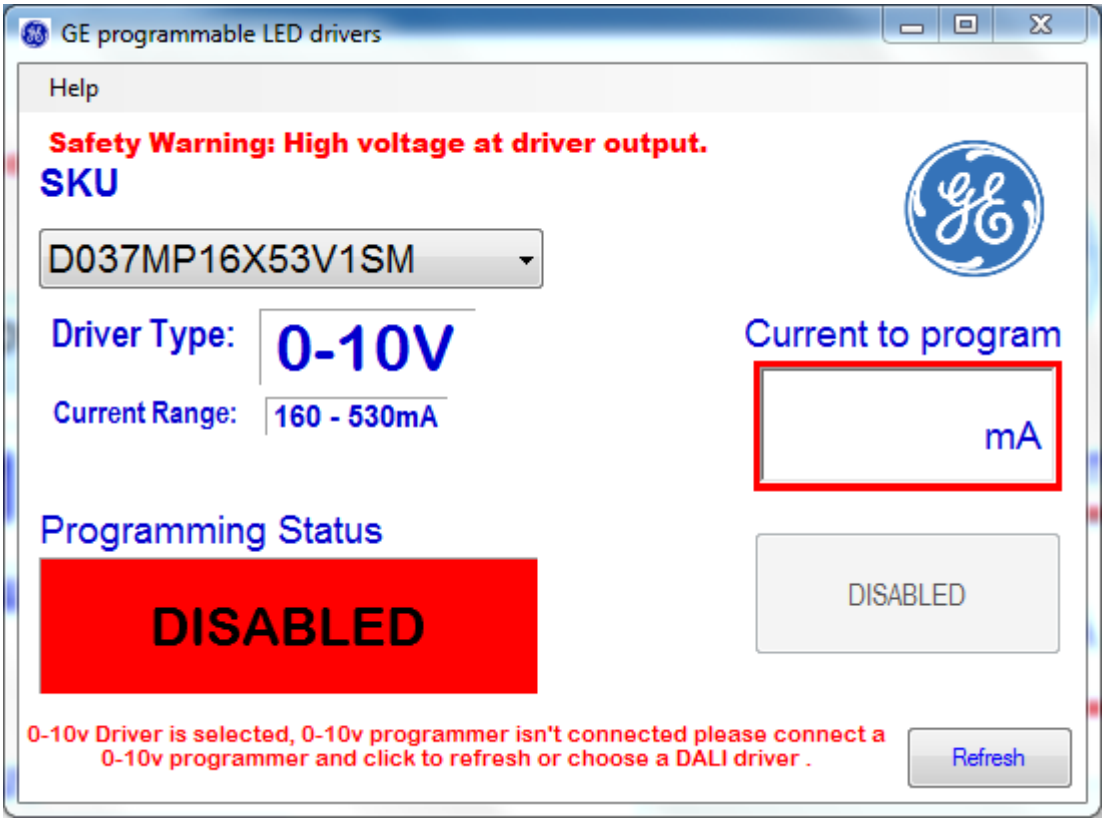
Problem: After starting GE Lightech LED Driver Programming Tool, no programmer is found (error: No port is found please connect Programmer). This can happen if the programmer is connected after the GE Lightech LED Driver Programming Tool is started.
Solution: Simply click on the Refresh button.

Problem: Programming status is "No Programmer" if there are no programmers connected.
Solution: Connect one or both programmers.



Problem: If the driver SKU cannot be programmed by the connected programmer (i.e. the chosen SKU is 0-10V but the connected programmer is DALI, then the status will be DISABLED and the Program button will also be DISABLED.

Solution: Connect the required programmer.



Disclaimer

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