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This document will be teaching you how to install the Danfoss software, update the Control Panel Controller, and Control Panel Display. You will need the following items;

UPDATE C

- Danfoss Controller Update Cable #1001190 0
- A USB Thumb Drive "Display Update" 0
  - You will need to install the following programs & drivers;
    - Danfoss Plus+1 Plus+1 Guide 0
    - Danfoss Plus+1 Plus+ 1 Service Tool 0
    - Danfoss Plus+ 1 Drivers 0

#### Installing the Danfoss Plus+1 Service Tool Program on your laptop.

- 0 You will need to install the Danfoss Plus+1 Service tool Program onto your computer
  - Type this URL text into your web browser or copy and paste this from the email sent.
    - 0 http://powersolutions.danfoss.com/products/plus-1-software/plus-1-guide-software-and-license/#/
    - Scroll down and click to download the Express Version of the Service Tool 0

#### PLUS+1<sup>®</sup> software products

### Service Tool Express Includes free 90-day Professional Trial • Easy graphical programming interface · Fully functional with core tools Download Save the software onto the Desktop. The software could take up to 30 mins to download "522MB" PLUS+1 GUIDE 10.1.7 setup Once the download is finished, open the Plus+1 Guide 10.1.7 Setup Click on Run, then follow prompt to by clicking next. 51 sher could not be verified. Are you sure you want to ... 10.1.7 setup.zip/PLUS+1 GUIDE 10.1.7 setup.exe

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Accept the agreement, Click Next

Follow the Prompt to complete the install. 0

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## SERVICE BULLETIN

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- Once the Plus+1 Guide is installed, click Finish.
- o Next, you will need to install the Plus+1 Service Tool, Click Next and follow the Prompt to install.



- Once the **Plus+1 Service Tool** is installed, click Finish.
- o Next, you will need to install the Plus+1 Guide Drivers, Click Next and follow the Prompt to install.

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o Accept the agreement, then click next.



- After clicking on Next, continue to follow the prompt to install the driver.
- o A window security Prompt will pop up. Click the Install button.
- o Another window will pop up to prompt you to install the CG150/CG150-2 Drivers

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Click the install button.
Click the install button.

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• Click Finish when completed.

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Da nfoss

Completing the PLUS+1 GUIDE Drivers 2.1.11 Setup Wizard In BURAL CUIDE Drivers 2.1.1 Finish You have now completed installing the drivers.

- Open the Plus+1 Service Tool on the Desktop.
  - Open up Danfoss Plus+1 Service Tool Program. → 0
    - This screen will pop up. Close out that box 0

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- Go to the "Tool's tab" located at the top of the screen 0
  - K PLUS+1 Service Tool 10.1.7
- File View Design Log Parameter Communication Options Tools Help 0
- Then select License Manager 0
- Click on "Get Trial / Express 0

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0 Fill in the \*blanks with your name, our company name, and click on Email registration. 0

| PLUS+1 Service Tool for (<br>r developing PLUS+1 GUID | a period of up to 90 days.<br>DE and PLUS+1 Service Tool |
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A Prompt will pop up to generate an email, Press OK.

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- Click OK and your Outlook should pop up to send an email.
- Send the email, it should look like this. **T** "Do Not Auto Correct the Grammar"

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- Once the email is sent, you should be getting a response with the Product License for an Express License Key.
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- Once you receive the Product License, Copy and Paste the Express Key into the License Manager "highlighted in yellow below" and press OK.

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• You have now completed the Danfoss Service tool installation.

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#### **Updating the Controller**

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First you will need the Danfoss Control Panel Controller Update file "019122.lhx" (Current Version) and the Danfoss Controller Cable.
 Take out the Danfoss Controller Cable #1001190 out of the box.





Open the Control Panel by turning the two flat screws on the front cover counter-clockwise.





Remove the male dummy plug to the Deutsch connector inside the panel.



- 0
- o Plug the Deutsch end of the Danfoss controller cable to the Deutsch plug inside of the Control panel.
- Close the control panel cover lightly, to avoid pinching the cable.
- $\circ$   $\quad$  Turn on the power switch to control panel.
- $\circ$   $\quad$  Plug in the USB side of Danfoss Controller Cable to the computer.
- Click on the Danfoss program **019122.Ihx** file (Example) that was emailed to you.
- o Danfoss will automatically start.

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- Click Next on the first prompt. 0
- It's going to give you a warning because it's a new program. 0
- Click OK and start download. 0
- Be patient for the software to update. 0
- 0 Once the Software is updated. Click OK and close out the program and file.
- Turn off the Power to the control panel. 0
- Disconnect the Danfoss Controller Cable from the computer and Control panel. 0
- 0 Plug the male dummy plug back into the female Duetsch end inside the control panel.
- 0 Close the control panel and turn the two-flat screw on the front cover clockwise.
- You have now completed updating the Controller Software. 0

### Updating the Display

- You will need the "Display Update" USB thumb drive to update the display. 0
  - Open the Control Panel by turning the two flat screws on the front cover counter-clockwise. 0
  - Insert the "Display Update" USB thumb drive into the USB plug behind the front cover. 0



0 0 Close the cover.

Hold the upper two left buttons on the display and turn on the power on. Continue to HOLD until you get the 0 maintenance screen.

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- 0
- $\circ$   $\quad$  Then release the top two left buttons and wait for the display to update
- o Be Patient, it can take about 5 mins up to 15 mins.
- o Once the update is complete the display should reboot itself.
- o Now hold the top two left buttons on the display until you go into the set-up screen
- Press the upper left Button twice.
- Verify you're your Software is correct;
  - HMI Software is Version: 2.6 (Example)
  - Controller Software is Version: 3.8 (Example)
  - HPS Preferences #: 019107 (Example)
- Press the X button twice to go back to your home screen.
- o Turn the Power off.



- Open the control panel and remove the "Display Update" USB Thumb drive.
- o Close the Control panel and turn the two-flat screw on the front cover clockwise.
- You have now completed updating the Display Software.

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