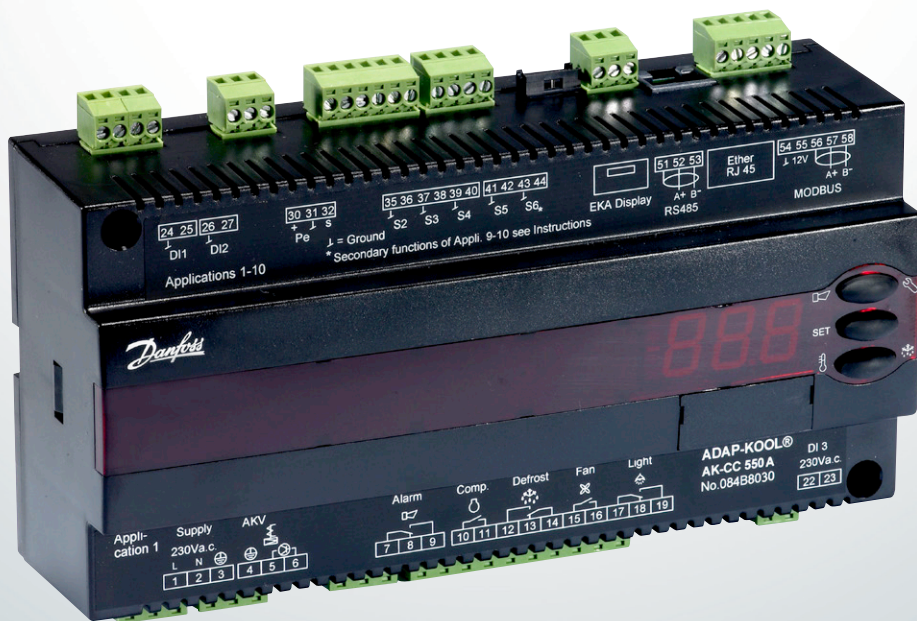ENGINEERING
TOMORROW

Danfoss
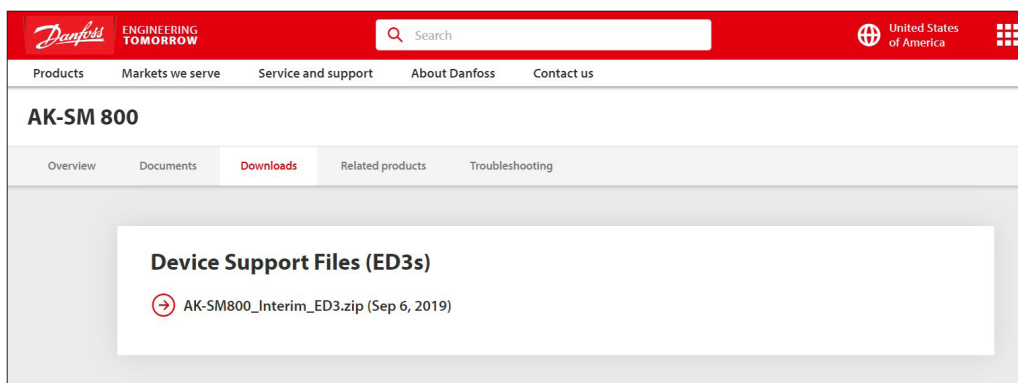
Application Guide

AK-CC 550A

Installing AK-CC 550A with the new v2.0 firmware
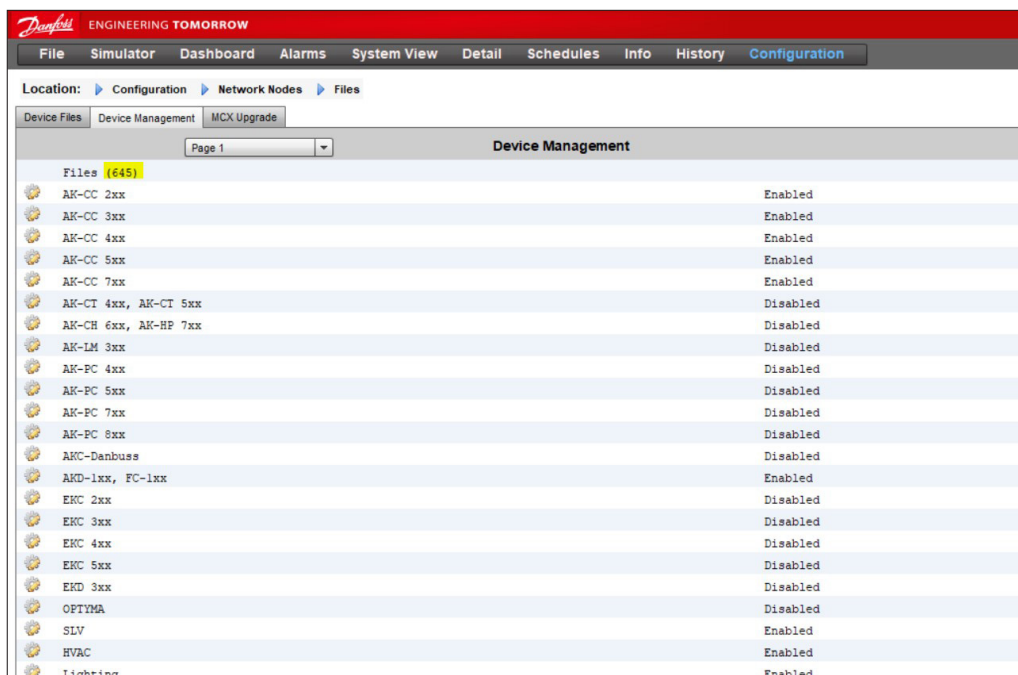(in case of mismatch)

*This example assumes that the address (o03 parameter) and the application (o61 parameter) are appropriately selected in AK-CC 550A.

**AK-SM 880 version needs to be v8.074 or higher.

***Please skip step 1 if you already loaded the proper ed3 and ls3 files in AK-SM 880.

At System Manager

1. When missing the device support files (ED3s)
   a. Follow the link below to reach Danfoss website
      https://www.danfoss.com/en-us/service-and-support/downloads/dcs/adap-kool-software/aksm800
   b. Download "AK-SM800_Interim_ED3.zip under "Device Support Files (ED3s)
   c. Extract and load the appropriate ED3 file (84B8036c.ed3) and device.ls3 into the system manger using an USB
      i. ED3 is for the case controller type, and LS3 is for listing the options. Both will need to be loaded.
      ii. You can verify software version (Config ➜ System ➜ Files ➜ Device Files; Check for device.ls3)

2. Configuration ➜ Network Nodes ➜ Files ➜ Device Management
   a. Check and verify that the number of files inside the bracket is below 800, i.e. Files (XXX) – refer to the highlighted in the image below
      i. If XXX > 800, disable some of the non-used file types (AK-LM, AK-PC, AK-CT, AK-CH, AKC-Danbuss, and EKC are not commonly used)

3. Configuration ➜ Network Nodes ➜ Scan Status
    a. Make sure of the following before moving onto next step
        i. Controller is online (if not, complete rescan once wired in)
        ii. Controller is addressed at case controller and in AK-SM 800
        iii. Check the file type in the scan status (i.e. device, model, SW version)

4. Configuration ➜ Control ➜ Refrigeration ➜ Circuits
    a. Adjust device type selection to match v2.0 file type shown in Scan Status screen
        i. AK-CC 550A v2.0 device options will show after all AK-CC 550 options in list
        ii. If you are still unsure of the file type, you can change "show only scanned devices" from no to yes

5. If replacing an older version AK-CC 550A with the new v2.0 version:
    a. Setpoints are not retained when adjusting device type in step 4.
    b. Setpoints will need to be reconfigured in AK-SM and downloaded to 550A
        i. Can be copied from another v2.0 550A if one exists
    c. If already configured at case controller locally, can be uploaded

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