ENGINEERING TOMORROW

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SOP: EKE 1A, B, C and D SW 2.02 and below

How to handle affected products

Product code	Description
080G5300	Superheat controller and valve driver EKE 1A
080G5350	Superheat controller and valve driver EKE 1B
080G5400	Superheat controller and valve driver EKE 1C
080G5360	Superheat controller and valve driver EKE 1D

Identify the controller software version of EKE 1A, B, C and D.

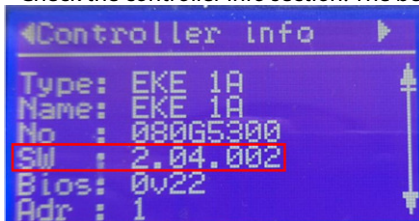The controller software version can be identified by:

a. Using Product label
   Check the product label. The below shown is an example. The label should be with software version 2.02 or below.

b. Using MMIGRS2 display
   Check the controller info section. The below shown is an example. The data should be with software version 2.02 or below.

Tools required:

For temporary reset and configuration of controller using display

- MMIGRS2 remote display, Danfoss code 080G0294
- ACCCBI cable, Danfoss code 080G0075

For temporary reset and configuration of controller using PC tools

- MMIMYK gateway, Danfoss code 080G0073
- ACCCBI cable, Danfoss code 080G0075
- KoolProg PC tool, https://www.danfoss.com/en/service-and-support/downloads/dcs/koolprog/

General instruction:
- Before making any changes to controller, unplug the controller from any network connections.

Corrective actions:

Factory resetting the controller as temporary solution for SW 2.02 and below

General instruction:
- Before making any changes to controller, unplug the controller from any network connections.
- Make note of the existing configuration.

With this solution, the product can only be temporarily solved, reset to factory settings, and reconfigured. This must be done every 32,000 hours from the start of operation to resolve the problem.

  a. If the product has not already reset configuration:
  Option 1: Using KoolProg PC tool, MMIMYK gateway(080G0073) and ACCCBI UI Cable (080G0075)
- Connect EKE to KoolProg PC tool using MYK gateway.
- Go to Online configuration.
- Use the save button on the top left to save the existing configuration of EKE to PC.
- Search for parameter B007 Apply defaults. Change it to factory. Wait 10 seconds.
- Disconnect EKE from PC. Remove 24V power supply to controller.
- Plug the Power supply back.
- Connect EKE back to PC.
- Use copy to device function in KoolProg and copy the previously saved settings back to EKE.

  Note: You can confirm the configuration by entering on-line service mode in KoolProg and verify the configuration.

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Option 2: Using MMIGRS2 display(080G0294) and ACCCBI UI Cable (080G0075)
- Connect EKE to MMIGRS2 display. Enter configuration settings.
- Under service change parameter B007 Apply defaults to factory. Wait 10 seconds.
- Remove 24V power supply to controller.
- Plug the Power supply back.
- Reconfigure the EKE to needed configuration.

b. If the product has already reset configuration:
Option 1: Using KoolProg PC tool, MMIMYK gateway(080G0073) and ACCCBI UI Cable (080G0075)
- Connect EKE to KoolProg PC tool using MYK gateway.
- Go to Online configuration.
- Search for parameter B007 Apply defaults. Change it to factory. Wait 10 seconds.
- Disconnect EKE from PC. Remove 24V power supply to controller.
- Plug the Power supply back.
- Connect EKE back to PC.
- Reconfigure the EKE to needed configuration.

Option 2: Using MMIGRS2 display(080G0294) and ACCCBI UI Cable (080G0075)
- Connect EKE to MMIGRS2 display.
- Enter configuration settings.
- Under service change parameter B007 Apply defaults to factory. Wait 10 seconds.
- Remove 24V power supply to controller.
- Plug the Power supply back.
- Reconfigure the EKE to needed configuration.

After update.
We recommend that an indication or sticker can be placed on the controller, as an indication that it has been temporary reset. The sticker could read " date code for when the temporary reset was done".

Revision 1.0