
Refrigeration Note
Product Info

Clocks not maintaining time in AK2-SC 255 controllers

Introduction

In certain AK2-SC255 controllers a clock problem has been identified. There is the possibility that in some units, the clock can gain or lose up to one hour per year. The cause of the problem has been identified and eliminated in the factory for all shipments after mid-August 2007.

Instructions

To check a controller for the clock problem, use the AKA 65 software to set the clock from a PC. Let the unit run for one week (7 days), then compare the AK2-SC 255's clock to the PC clock. If there is more than 15 seconds difference, the controller is one with the clock problem. You can see the seconds on a PC clock by clicking on the time in the lower right hand corner of the desktop.

There are several courses of action that can be taken at this point:

1. If the master controller (unit #0) has a good clock, all other controllers can be configured to be synchronized from the accurate master. This option is found in the store Info screen.
2. If the controller is connected to an Ethernet network, the unit can be synchronized from the Ethernet time server. This requires an update to the AK2-SC 255 firmware to version 2.070 releasing in October 2007.
3. In October 2007, a version of the AKA-65 software will be available that can be configured to automatically call units once a week to synchronize their clocks with the PC clock. You can download the latest version of the AKA 65 software from the Food Retail web page at www.danfoss.us/foodretail.
4. Replace the base board in the master 255 controller. This will update clock circuit in the master and other units can be synchronized to the master. You will need to contact Danfoss for an RMA to return the old board.

Please contact your Danfoss sales representative or Food Retail technical support for more details or questions. Danfoss technical support can be reached at 410-931-8716.