

# AK-SC255

## Product Release Information

Software Release Version R02.111 (AK-SC255) - **R version only**

**April 2010**

R version R02.111 AK-SC 255 software is released today for field upgrade.

Version 5.6 of the remote commissioning software tool (AKA65) is recommended.

Software name	WIN 255 filename	Firmware	Replaces
R02.111 (R version)	VR02_111.exe	VR02_111.csi, mai	VR02_101.csi

### Requirements:

AKA65 software version 5.6 / AK255 Boot Loader version 6.1

For EKC / AK Modbus support use AK-SC255 baseboard H/W revision V1.5 and above.

### Summary of changes / description:

R02.111 is a (major) software update for the AK-SC255 controller and is recommended for all users wishing to enhance system functionality based on **table 1**.

### Upgrading your AK-SC255

Always backup original database prior to performing upgrade.

To upgrade AK-SC255 software, it is recommended that this process is done in incremental (release software) steps.

**Ensure that your AK-SC255 has been upgraded to 6.1 Boot loader first.** Use AK255 Code downloader 4.1 and bootloader 6.1. Refer to the new 'AK-SC255 Upgrade procedure' document (USCO.EI.RF0.A1.22.003 / 521U0112) for full upgrade options

*Please view the following web resources to access the latest AK-SC255 software & documentation:*

*Danfoss Only access*

*<http://portal.danfoss.net/sites/ak2sc255/default.aspx>*

*Public Access*

*[http://www.danfoss.com/North\\_America](http://www.danfoss.com/North_America)*

## Introduction

AK-SC255 software update R02\_111 offers new features, functionality and minor software fixes. Table 1 reflects the content of R02\_111 software release.

**Table 1**

<b>Corrected items / New feature -functionality</b>
When configuring a lighting schedule, Days are deleted when Holidays are added.
Change Configuration defaults from "Yes" to "No"
Lighting - Auto Rotation Function does not work correctly.
255 evap problem with Fan operation during defrost if door has been open.
Status screen improvements on 255 when using AK2-303 controller
Refrig types R-401 and R-409 conversions are off including 407A
AKC164 Case Temp not updating in Evap List and Evap Status Screens
Lighting schedule, when checking off the holiday to use, the days all disappear once you hit Enter
Add provisions to select "polarity" for Alarm Relay Enabler Inputs
Shared shutdown DI config for lighting Zones gets deleted if number of zones changes
Individual Lighting Zone Shutdown DI config reset if number of Lighting Zones is changed.
Pulse Module too quick to alarm on I/O Comm Error after it's configured
T/P conversion for R-401A, R-401B, R-402A, R-402A, R-402B, R-407C, R-408A R409A
Via AKA65 connection over network, 255 status updates too slow or times/out, fails
Dual Temperature circuit enhancement - defrost duration and alternative termination temp setpoint added
VIP - EKC and AKCC-550 alarms not registering Red on the VIP
Added an option under control for the singles version to force the compressor off during defrost
String format problem with Parse Error alarm
255 Resets upon a Rescan request when set to Chinese Language
Activate pgup/pgdn and prev/next keys in audit trail screen.
Need new AK-CC750 (080Z0130) case controller quick set setup added
Add user selectable inverter startup speed for compressors.
Added support for CO <sub>2</sub> Digital Modbus display EKA164A1
Increased alarm list capacity from 100 to 250 alarms