

# AK-SC255

## Product Release Information

Software Release Version 02.083 (AK-SC255)

March 2009

Version 02.083 AK-SC 255 software is released today for field upgrade.

Version 5.4 of the remote commissioning software tool (AKA65) is recommended. Factory supplied AK-SC255 units with 02\_083 software will be available from 23rd March 09.

Software name	WIN 255 filename	Firmware	Replaces
R02.083 (Rack version)	VR02_083.exe	VR02_083.cmot / .csi	VR02_081.exe / .cmot
L02.083 (L version)	VL02_083.exe	VL02_083.cmot / .csi	VL02_081.exe / .cmot

### Requirements:

AKA65 software version 5.4 / AK255 Boot Loader version 5.1

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

### Summary of changes / software description:

2.083 is a (minor) software update for the AK-SC255 controller and is recommended for all users wishing to update system functionality based on the items listed (see last page).

### Upgrading your AK-SC255

Always backup original database prior to performing upgrade / downgrade.

To either upgrade or downgrade 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 5.1 boot loader first.** Use AK255 Code-loader 4.0 program to load .csi / .cmot software . The New code-loader 4.0 and boot 5.1 support the new compressed, faster .csi file format

### **Compatibility with previous software:**

- 1) On a host network, AK-SC255 V2.083 is not 100% compatible with AK255 units running V2.075 or earlier. The suggested action is to upgrade all units on the host network to the same version, AK-SC255 V2.083.
- 2) V2.083 requires V5.1 boot loader or later.
- 3) Database will upgrade automatically from previous version, V2.081

**\*\*See TSIB 0034 on AK-SC255 Support web page for more details\*\***

### **New Features & Functions / resolved items**

Version 02\_083 adds a new enhancement to Po Optimization when using Pack and Case controllers - Optimization will stop, issue alarm based on xx controllers going to offline condition.

Altech sensor support

Water cooled condenser safety features

Bug fixes

### **Modbus Support**

02\_083 offers support to the following EKC / AK Danfoss controllers

- EKC 202 (EKA 178A)
- AK-CC 210 (EKA 178A)
- AK-CC450
- AK-CC 550
- AK-PC 530 (EKA 178B)

Danfoss Modbus controllers discovered on the AK-SC255 Modbus network will take priority over any other modbus nodes (i.e. power meters, lighting panels). In order to use other supported Modbus nodes ensure Danfoss Pack and Case controllers are communicating over Lonworks.

### **Enhancements / Bug fixes**

The following page lists all corrections and enhancements found in 02\_083 software

<b>Defect Id</b>	<b>Synopsis</b>
961087	+20 Deg. offsets appear in RTC readings, set-points
961103	V/S condenser split bug
961157	Enhancement request - Water cooled condenser safety
961184	Battery Alarm
961222	Evap Condenser Configuration Bug - Auto Rotate Fans question overwrites Pump rotate question.
961228	Audit Trail lacking address and name of case controller to which change was made
961230	Read a 3K thermistor probe (Altech type)
961235	Water Cooled Condensers - Only the first rack configured works correctly. 2nd one does not.
961236	Pulse Meter issues found in 2.081
961245	Drop Leg Pressure sensor for Condenser Control missing from sensor adjustment area.
961246	Create license for Siemens lighting panel
961251	NTP Network Timing Protocol does not work properly all the time
961252	Allow Generic devices to be configured by also using Auth Level 'Complete system' and 'Refrig All' and even 'Refrig Set'.
961253	Can not allocate bd-pt for Pulse Meter (Utility) in VR02.081
961254	When upgrading to R02.081 VOs are not correctly converted.
961258	R-Version - Oil reset not observing Min Time between resets.
961268	AK-SC255 "Start Screen" configured under '255 Info is inconsistent with selections.
961269	Site Alarm Logger Updates since 2.081 now required
961270	The 'Pulse' Type Utility Meter does not calculate the KW, kWh consumption Load, Current KW Load Peak KW correctly
961272	The 'Pulse' Type Utility Meter does not auto select the history points.
961273	The 'Pulse' Type Utility Meter does not display 'Meter History' from the from the 'Utility Menu screen.
961275	Repetitive Prev/next in EKC/AK2 screens generate Buffer resets (518)
961279	V2.081 Alarm Problem seen with Pack controllers (AKCC controllers )
961283	RTC failure type alarms caused issues in win255.
961284	Cutler-Hammer Lighting Configuration Issues
961285	Internet master/slave names too short.
961286	Condenser Fan Bugs in R2.081 and Beta 2.082 as of Feb. 17-2009
961288	Audit Trail needs to track any "Manual Control" activity performed at 255 or via AKA65 to Generics
961289	LON Cutler Hammer does not switch all requested breakers
961290	Pack Overview if you set 'Sort' to Creation you will see a generic case controller in the pack overview
961291	Misc Alarm Issue- ex. 3 misc alarms and disable the 1st one, the other 2 get incorrectly indexed & pull up incorrect alarm info
961294	Update Alarm Routing to enable Host 255's Buzzer, LED and Internal Relay to react to any network 25's alarms
961295	AK-CC303 v1.4x timing issue with Quick setups
961297	Setpoints in the Munters units get overridden with wacky settings.

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