

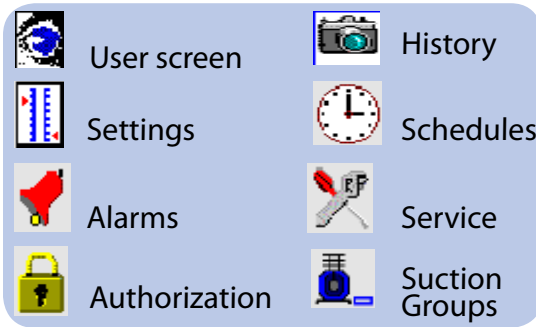


Quick Reference Guide AK2-SC 255



NAVIGATIONAL ICONS

Most appear at the bottom of the screen. Each takes you to a screen or function. You need not memorize the purpose of each icon. By highlighting an icon, a description appears at the bottom of the screen. Menu key will position cursor at icons.



HVAC

Viewing HVAC status

Main HVAC status screen for a unit:

1. From the Main Menu, select "HVAC"
2. Select the unit you want to view
3. Cooling status and general details (if used)
4. "PG DN" to view auxiliary heat (if used)
5. "PG DN" to view heat reclaim (if used)
6. "PG DN" to view humidity control (if used)

Viewing HVAC settings

1. From the Main Menu, select "HVAC"
2. Select the unit you want to view, press "ENTER"
3. Use "RIGHT/LEFT" arrow to select the settings icon and press "ENTER"

Press "PG DN" key to view cool/heat set points

Manual HVAC Override

1. From the Main Menu, select "HVAC"
2. Select the unit you want to view, press "ENTER"
3. Use "RIGHT/LEFT" arrow to select "Service" icon (shown at right), press "ENTER"
4. "UP" arrow to "Auto/Manual relays", press "ENTER"
All loads will have "AUTO" if not in override
5. Use up arrows to select relay or HVAC load to be overridden
6. Press "EDIT" key to select "MANUAL ON OR OFF", press "ENTER"



Note: this will require repeating steps above and selecting "AUTO" to clear or use reset button.

ALARMS

1. From the Main Menu, select "ALARMS"
2. Select "ACTIVE ALARMS" for current or active alarms
3. Select "ACKNOWLEDGED" for current alarms already acknowledged by a person
4. Select "CLEARED ALARMS" for recovered alarms
5. Select "ALARM STATUS" for pending alarms - timer will count down under "STATE", otherwise "OK". The state will show:
OK = No alarm
TIMER = In pending mode
TRIP = In alarm

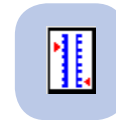
LIGHTING

Viewing Lighting status

1. From the Main Menu, select "Lighting"
2. Select "Lighting zones"
3. Select a zone name or breaker, press "ENTER"
4. View status and history

Viewing Lighting schedule

1. From the Main Menu, select "Lighting"
2. Select "Configure Lighting"
3. Select "Lighting zone"
4. Arrow down to "SET UP" button and press "ENTER"
5. "PG DN" to last screen - on/off times
6. If "TYPE = STANDARD", will cycle as programmed
7. If "TYPE = RELATIVE" will cycle +/- from "OPERATING HOURS" in "STORE INFO" (Main Menu)



Manual Lighting Override

1. From the Main Menu, select "Lighting"
2. Select "Lighting service"
3. Select "Lighting zones"
4. Highlight the zone to be overridden, press "ENTER"
5. Use "UP" arrow to zone state
6. Press "EDIT" key for options. Will require authorization.
7. Scroll to "Manual On or Off" or "Timed On" and press "ENTER". If "Timed On", enter hours desired.

Useful Telephone Numbers:

Technical Support: (410) 931-8716

Danfoss parts ordering: (410) 931-8714

Access updates:

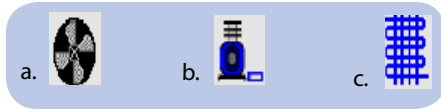
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BASIC OPERATION

- Press “ENTER” to proceed to your highlighted selection.
- Press “ESC” key once per screen to back out
- Use “PG DN” key to view additional information
- Use arrows to navigate on screen
- “NEXT”/“PREV” key to view additional refrigeration, HVAC, Time of Day screens.

Icons Details



Other icon examples are pictured elsewhere in this guide.

Use arrow keys to select any icon. Press “ENTER” to view related set points, actual pressure, and/or temperatures.

- Condenser:** indicates fan stages. A turning icon indicates that the stage is ON.
- Compressors:** indicates number of compressors. Motion indicates that the compressor is on. Unloaders appear as rectangles on right. Solid = on.
- Evaporators:** Highlight and the name, temp, and status appears at the bottom of the screen. Press “ENTER” for more details.

Viewing Compressors

1. Select “Refrigeration”
2. Select desired rack “ENTER”
3. Select “Suction Groups”
4. Select desired suction group “ENTER”
Use the arrows to select compressor and press “ENTER” to view history per compressor
5. “PG DN” to view 30 minute graph of suction pressure

Viewing a Circuit

1. Select “Refrigeration”
2. Select rack and press “ENTER”
3. Select “Evaporators”
4. Select the case using up/down arrows (use PG DN as needed), press “ENTER”

Current case readings and set points are displayed. PG DN to view run times and cycles.

Viewing Condensers

1. From the Main Menu, select “Refrigeration”
2. Select the rack “ENTER”
3. Select “Condensers”
Use the arrows to select condenser and press “ENTER” to view history per fan

Performing a Manual Defrost

1. From the Main Menu, select “Refrigeration.
2. Select desired rack and press “ENTER”
3. Select “Evaporators”
4. Select the case using up/down arrows (use PG DN as needed), press “ENTER”
5. Select the “Service” icon (shown at right)
6. “UP” arrow, to working area and select “Manual Defrost” and press “ENTER”
7. Press “UP” arrow to “Defrost Operation” and press “EDIT” key
8. You may be required to enter the authorization code to continue
9. Scroll to “Manual On” and press “ENTER”
10. Select Manual Defrost Options

Note: Case will run for “maximum manual defrost time” programmed unless “allow selected termination” = YES. Program the termination and defrost time if required.



Oil Fail, Phase Loss, and other digital inputs

1. From the Main Menu, select “Communications”
2. Select “I/O Network”
3. Press “UP” arrow and select “List points”
4. Select the On-off Inputs Icon and press “ENTER”
5. The “PHASE LOSS” should show “Off”
6. Oil fail should show “OFF”
7. All on-off values are displayed



Viewing Refrigeration Settings

1. Select “Refrigeration”
2. Select desired rack and press “ENTER”
3. Select “Configure rack”
4. Select One: compressor/condenser/evaporator to program.
Note: Must have authorization code. Some changes may require resetting control.

I/O COMMUNICATIONS

Checking Board Communication

1. From the Main Menu, select “Communications”
2. Select “I/O Networks”
3. Press “UP” arrow then Select “List Nodes”
4. All installed I/O should show on-line
Note: There may be some I/O programmed but not in stalled.

Rescan to Bring Offline Boards on Line

1. From the Main Menu, select “Communications”
2. Select “I/O Networks”
3. Select “Rescan Channel” button, up arrow required
4. Select “Rescan network” button

5. Select 1 “Complete Rescan” on pop up window
6. Wait for “Complete Rescan” message to appear. Verify node count. Compare to installed.
7. Press Escape and then arrow to select “List Node”
8. Check that all nodes are on line
Note: There may be some I/O programmed but not in stalled.

AUTHORIZATION

Getting Authorized to Make Changes

1. From the Main Menu, select “Authorization”
2. Highlight “Auth Code” and enter proper authorization code, then press “ENTER”
3. Highlight “Account,” enter account code, and press “ENTER.” The authorization level in the top corner should change from “View only” to your access level
4. Press “ESCAPE” to return to the Main Menu

HISTORY

Viewing History Logs

1. From the Main Menu, select “History”
2. Select “View History”
3. If any points are assigned from past viewing, press “UP” arrow then highlight “clear” and press “ENTER” to remove.
4. Press “Menu” key for access to icons below
5. Use the RIGHT/LEFT arrow to select the type of point you want to view (icons at bottom) and press “ENTER”
6. Use the UP and DOWN arrows to find the point you want to view. Use “PG DN” as needed.
7. Up arrow to highlight “No” in the “View” column
8. Press “+/-” EDIT
9. Select “Yes” and press “ENTER” - can view maximum of 5 points
10. Select “View” for tabular data, you can then select “Graph” to display the graph and toggle back
11. Adjust values as needed in Graph Mode:
Min - scale for low reading
Max - scale for high reading
Rate - Frequency of readings (cannot be less than sample rate)
Sample - total time in graph window (in minutes)
Stat - 24 hour summary of data points
“<>” - navigate back or forward
Snapshot - Latest or current reading