

Danfoss AK-SM 810 System Manager Instruction Manual

Home » Danfoss » Danfoss AK-SM 810 System Manager Instruction Manual

Contents

- 1 Danfoss AK-SM 810 System Manager
- 2 FAQ
- 3 General mounting
- 4 US mounting
- 5 Documents / Resources
 - **5.1 References**



Danfoss AK-SM 810 System Manager



General mounting

Instructions for the general mounting of the System Manager AK-SM 810 include diagrams illustrating the process. The diagrams show the unit being inserted into a mounting rack, the dimensions for the cutout in the mounting surface, and the attachment of cables and connectors.

Mounting Details

- · Mounting of the unit into a rack or frame.
- Required cutout dimensions: 280 mm x 241 mm.
- · Cable connections for Alarm, Modbus, and LON interfaces.

Specifications

| Temperature | -10°C to +55°C |
|-------------|--------------------------|
| Humidity | 0-95% RH, non-condensing |
| Protection | IP20 |

US mounting

The US mounting section includes instructions and diagrams for the proper installation of the unit within a US-based system. It also provides safety and compliance information for the installation.

Compliance Information

- UL Listed, file: E131024.
- · Class 2 or LPS in accordance with NEC.
- Use 16 AWG or larger wires rated for at least 75°C.

Panel mounting

Panel mounting instructions provide detailed steps and diagrams for inserting the unit into a panel and connecting various cables.

Terminating

Terminating instructions cover the setup of communication protocols such as Modbus and LON, as well as the termination of a TCP/IP network with an ethernet cable and RJ 45 connectors.

Communication Setup

- Termination switch settings for Modbus and LON.
- Use of a repeater if necessary, including the correct placement of 120 Ohm terminators.
- TCP/IP network termination with LAN and shielded ethernet cable.

Initial Settings for TCP/IP

- 1. Check address setting (Factory IP address = 192.168.1.161).
- 2. Download "StoreView Desktop" from the provided website to a PC.
- 3. Run "StoreView Desktop".
- 4. Connect to the device's IP address.
- 5. Set Engineering unit preferences.
- 6. Set Users/Password (default: User = Supervisor / Password = 12345).
- 7. Set Communications settings.
- 8. Set address setting (0 = master).
- 9. Confirm settings and reset.

Environmental and Safety Information

The product contains electrical components and must be disposed of separately from domestic waste. Collection must be in accordance with local and currently valid legislation for electrical and electronic waste.

FAQ

What are the temperature and humidity operating conditions for the AK-SM 810?

The operating temperature range is -10°C to +55°C, and the humidity range is 0-95% RH, non-condensing. What are the IP protection and compliance standards?

The unit has an IP20 protection rating and is UL listed with specific compliance to NEC standards.

How should the AK-SM 810 be mounted?

It should be mounted in a rack or frame with specified cutout dimensions, and all cables should be connected according to the instructions.

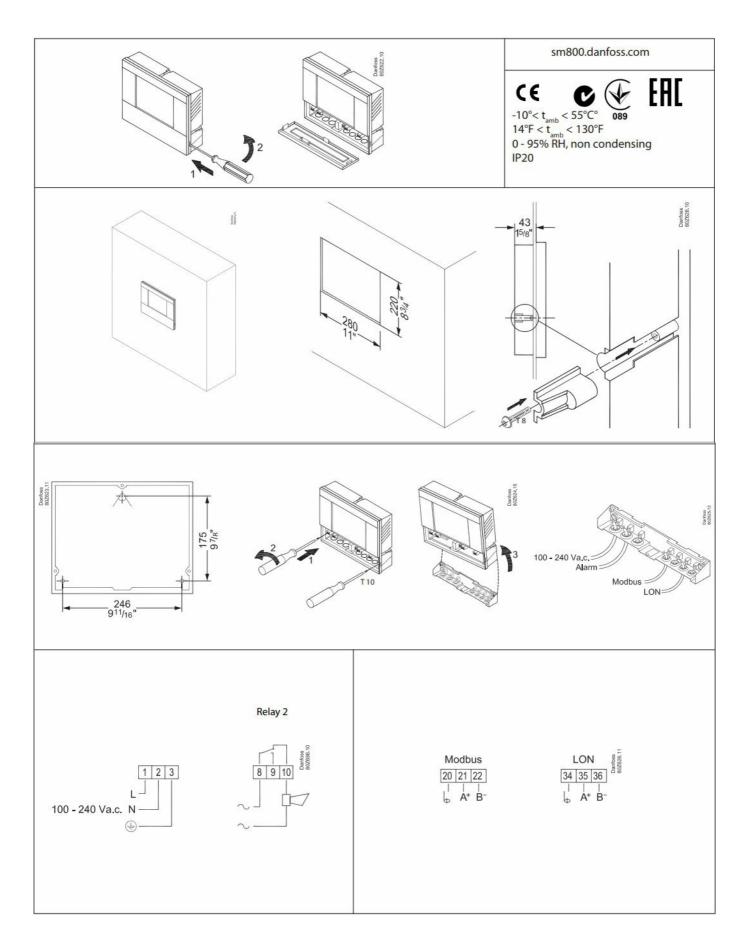
What should be done if a repeater is used in the network setup?

If a repeater is used, ensure that terminators are used as instructed, with a 120 Ohm terminator on the last device.

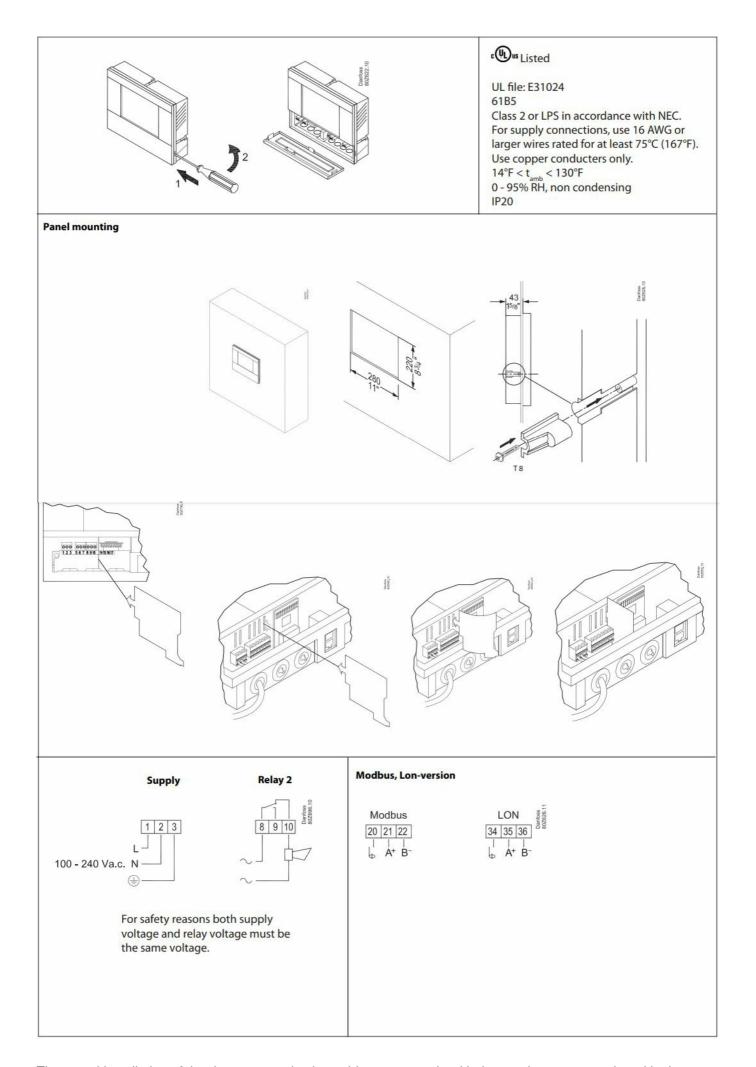
How do I access the device settings?

Use the "StoreView Desktop" software to access and configure the device settings.

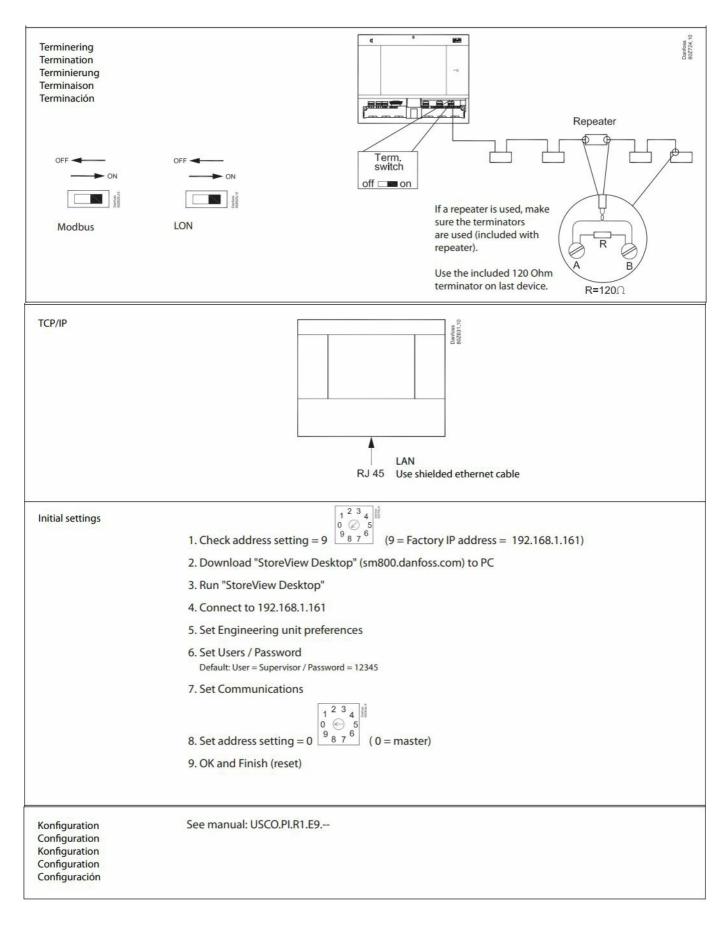
General mounting



US mounting



document "Data communication between ADAP-KOOL® Refrigeration controls". Literature sheet number = RC8AC.



The Product contains electrical components And may not be disposed together with domestic waste. Equipment must be separate collected with Electrical and Electronic waste. According to Local and currently valid legislation.

Documents / Resources



<u>Danfoss AK-SM 810 System Manager</u> [pdf] Instruction Manual AK-SM 810 System Manager, AK-SM 810, System Manager, Manager

References

• User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.