



Danfoss AK-CM 101A Communications Module Instructions

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Danfoss AK-CM 101A Communications Module



Product Information

Specifications:

- **Model:** AK-CM 101A / AK-CM 101C Communications Module
- **Model Numbers:** 080Z0061 (TP 78) / 080Z0063 (LON RS485)
- **Mounting:** AK-SM 850
- **Communication Protocol:** TP 78 / LON RS485
- **IP Rating:** IP20 / VBG4
- **UL Certification:** E357029

Product Usage Instructions

Address Configuration:

Each communication module must have a unique address set on the three rotary switches ranging from 1 to 99.

Power Requirements:

The product requires a power supply. Make sure to connect it to the appropriate power source as per the specified power requirements.

Data Communication Installation:

- When installing data communication, ensure compliance with the guidelines provided in literature sheet no. RC8AC.
- For units transferring data signals, set the changeover switch to OFF. For other units, set it to ON.

Disposal Instructions:

The product contains electrical components and should not be disposed of with regular domestic waste. Follow

local regulations for the proper disposal of electronic waste.

FAQ

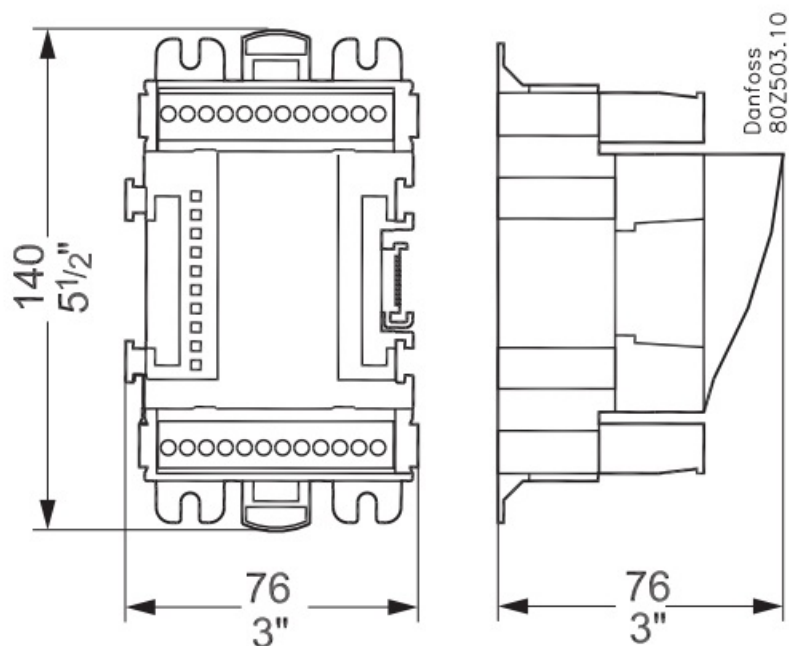
- **What should I do if I encounter address conflicts between multiple communication modules?**

Ensure that each communication module has a unique address set using the three rotary switches within the specified range of 1 to 99.

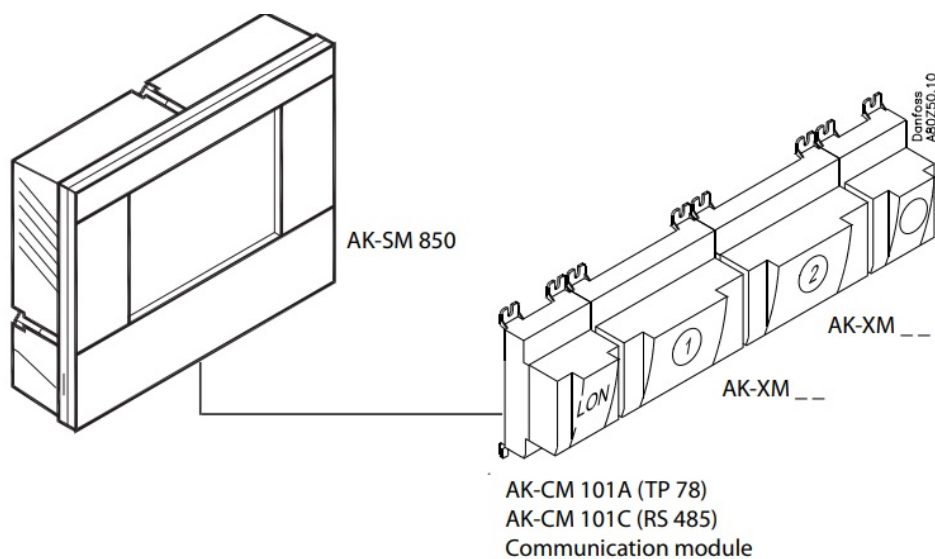
- **How do I check the power requirements for the product?**

Refer to the product manual or specifications to determine the specific power requirements needed for proper operation.

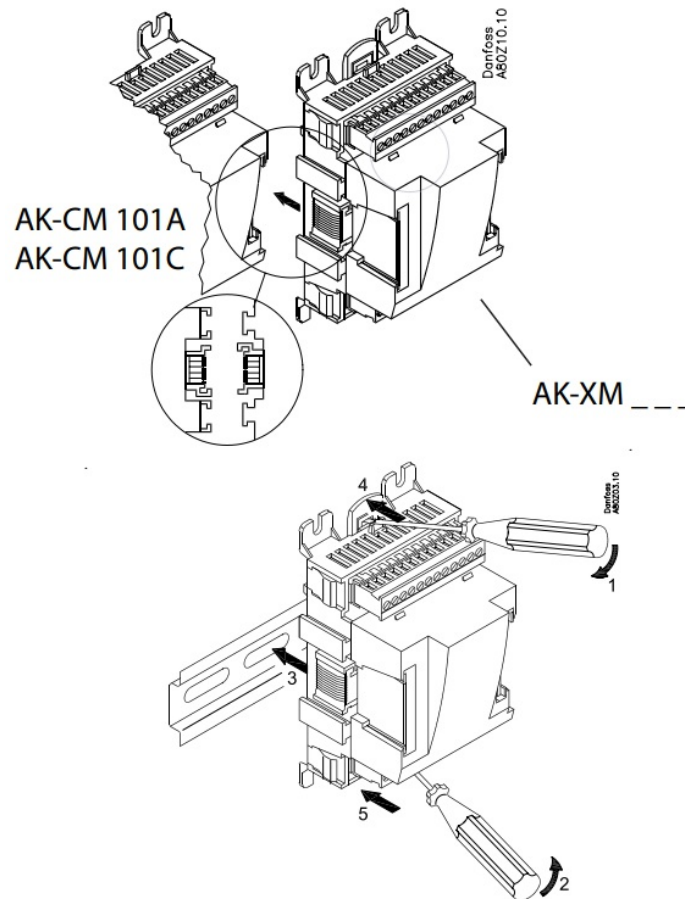
DIMENSION



Principe



Montage

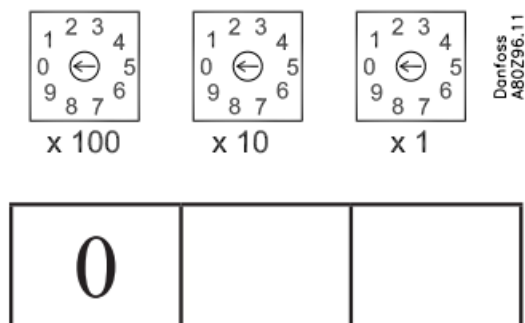


SPECIFICATION

- $-20^{\circ} < t_{amb} < 55^{\circ}C$
- $-0^{\circ}F < t_{amb} < 130^{\circ}F$
- 0 – 95% RH, non condensing
- IP20 / VBG4
- UL: E357029

Address

Each communications module in a system must have a unique address from 1 to 99 set on the three rotary switches.

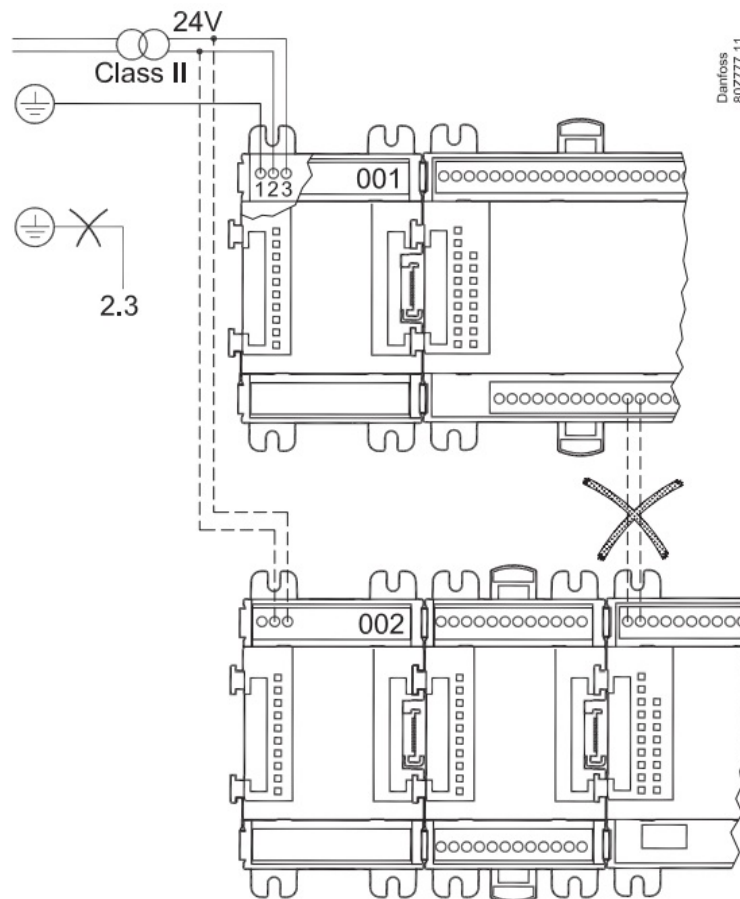


Power Requirements

- Power Supply = 24 V a.c. or 18-36 V d.c. Please ensure that your supply will provide sufficient power for all the

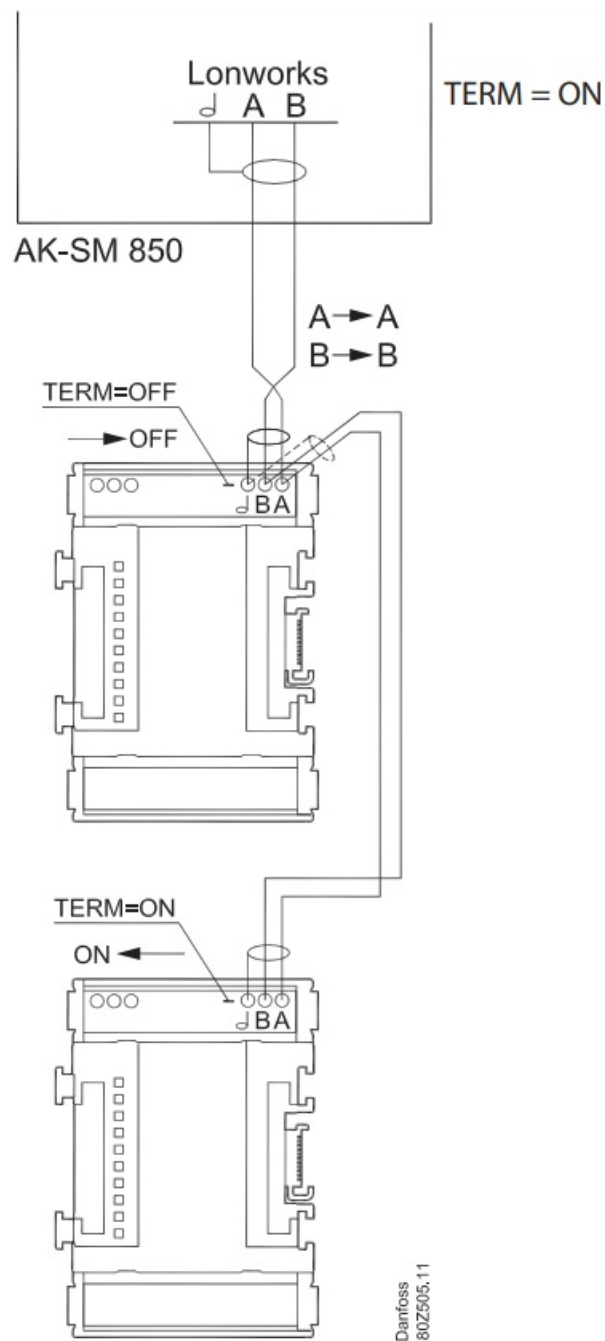
modules in your line-up.

- The 24 V connection is not galvanically isolated from the inputs and outputs. Thus, when sharing an 24 V power supply with other communication modules, the inputs and outputs must not be shared between those modules since this may lead to issues (e.g. ground loop etc).
- If, inputs and outputs need to be shared between two or more line-ups, separate 24 V power supplies must be used for each line-up to ensure galvanic isolation.



Data communication

- The installation of data communications must comply with the requirements described in literature sheet no. RC8AC.
- On units transferring the data signal the changeover switch must be set in position OFF. On other units in position ON.

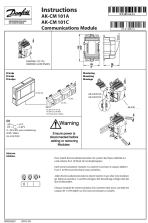


DISPOSAL

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



[Danfoss AK-CM 101A Communications Module](#) [pdf] Instructions AK-CM 101A Communications Module, AK-CM 101A, Communications Module

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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