



**MCX 08 M2 - ECA 5
Climate Solutions
Design Center**



Danfoss MCX 08 M2 – ECA 5 Climate Solutions Design Center Installation Guide

[Home](#) » [Danfoss](#) » Danfoss MCX 08 M2 – ECA 5 Climate Solutions Design Center Installation Guide 

Contents

- 1 [Danfoss MCX 08 M2 – ECA 5 Climate Solutions Design Center](#)
- 2 [Product Specifications](#)
- 3 [Product Usage Instructions](#)
- 4 [Modbus system](#)
- 5 [Power connection](#)
- 6 [Analog output](#)
- 7 [Digital output](#)
- 8 [Analog input](#)
- 9 [Digital input](#)
- 10 [Modbus](#)
- 11 [Installation Guide, MCX 08 M2 – ECA 5, 24 V a.c.](#)
- 12 [Frequently Asked Questions](#)
- 13 [Documents / Resources](#)
 - 13.1 [References](#)



Danfoss MCX 08 M2 – ECA 5 Climate Solutions Design Center



Product Specifications

- **Model:** MCX 08 M2 – ECA 5, 24 V a.c. (code no. 080G0337)
- **Brand:** Danfoss
- **System:** Modbus

Product Usage Instructions

Analog Outputs:

- AO2: Function – Analog output for VAV inlet control.
- AO3: Function – Analog output for VAV outlet control.
- AO4: Function – Analog output for VAV outlet control.

Digital Outputs:

- DO3: Function – Forced override.
- DO4: Function – Time-limited override.
- DO5: Function – Digital output.
- DO7: Function – Digital output.

Analog Inputs:

- AI1, AI2, AI4: Analog inputs for various functions.
- S26: VAV inlet volume
- S27: VAV outlet volume
- S28: Window temperature, Pt 1000

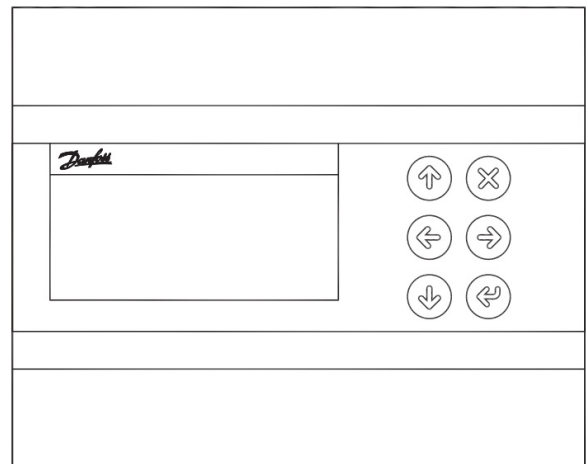
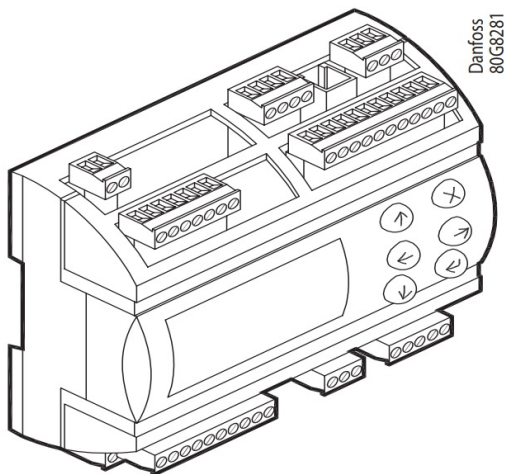
Digital Inputs:

- DI1, DI2, DI3, DI4: Digital inputs for various functions.
- S22: PIR
- S23: Window
- S24: Time-limited override
- S25: Forced override

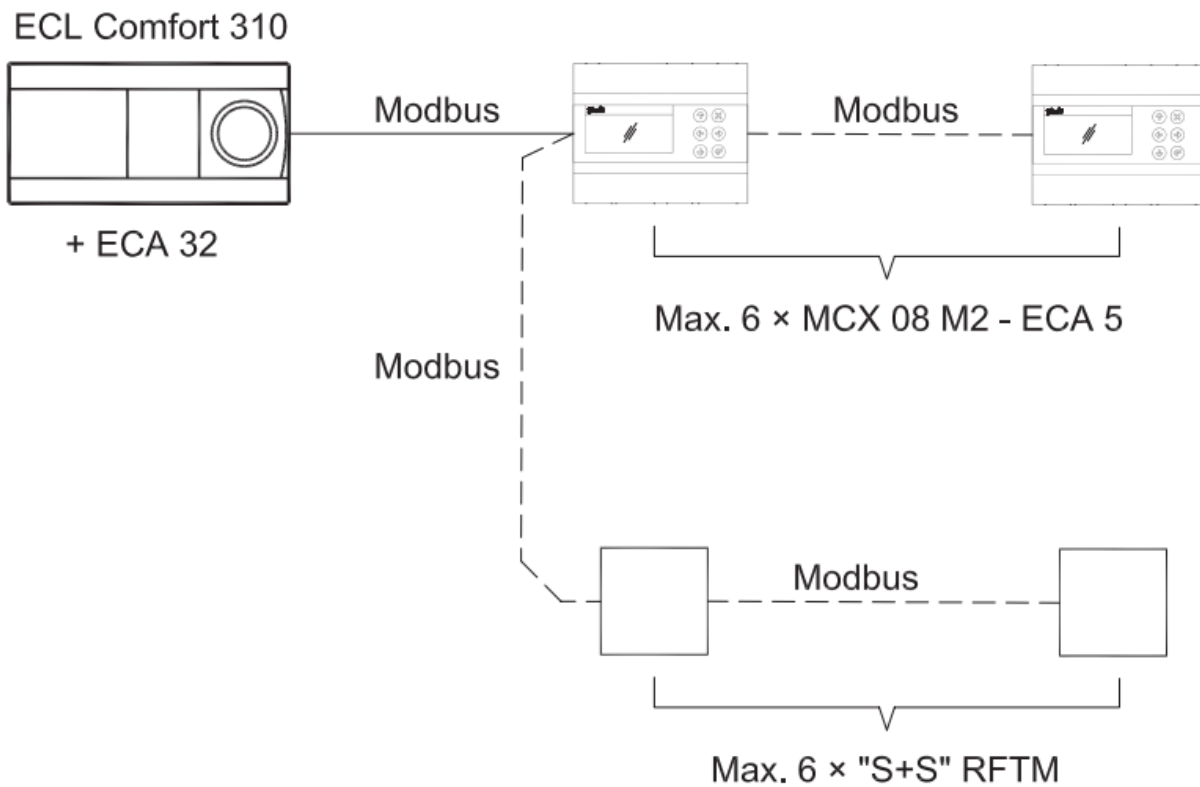
Modbus:

- ECL 310 – MCX 08 M2 – ECA 5: Modbus system setup.
- MCX 08 M2 – ECA 5 (Daisy chain): Modbus system setup for daisy chain configuration.
- Modbus address #1, #2, #3, #4, #5, #6: Modbus address allocation.

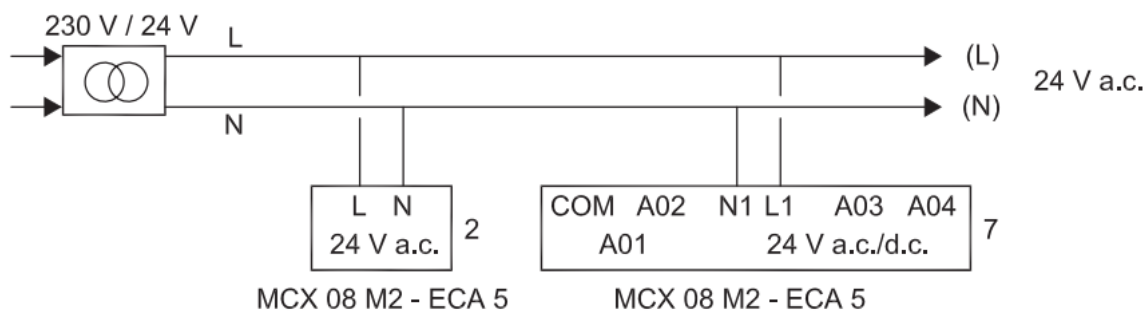
MCX 08 M2 – ECA 5, 24 V a.c. (code no. 080G0337)



Modbus system

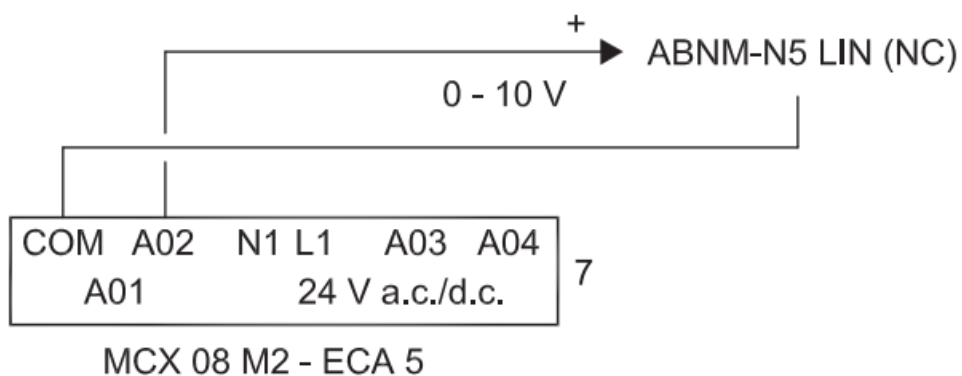


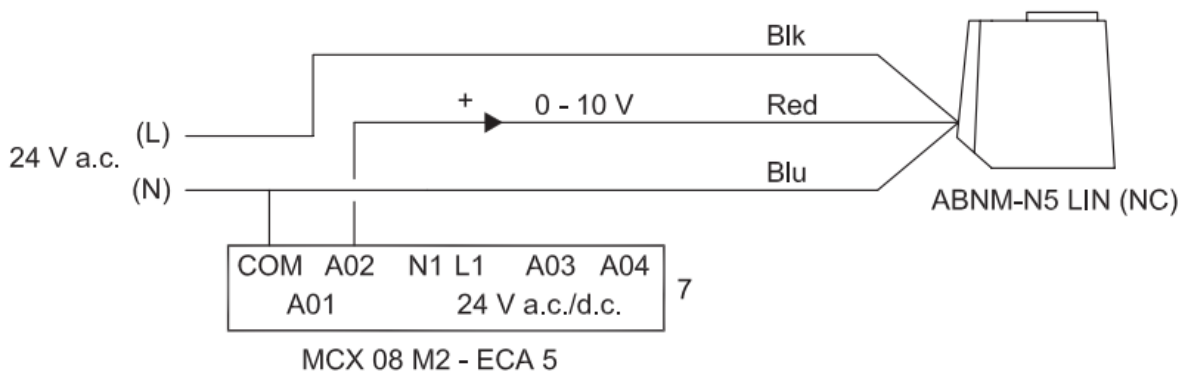
Power connection



Analog output

AO2

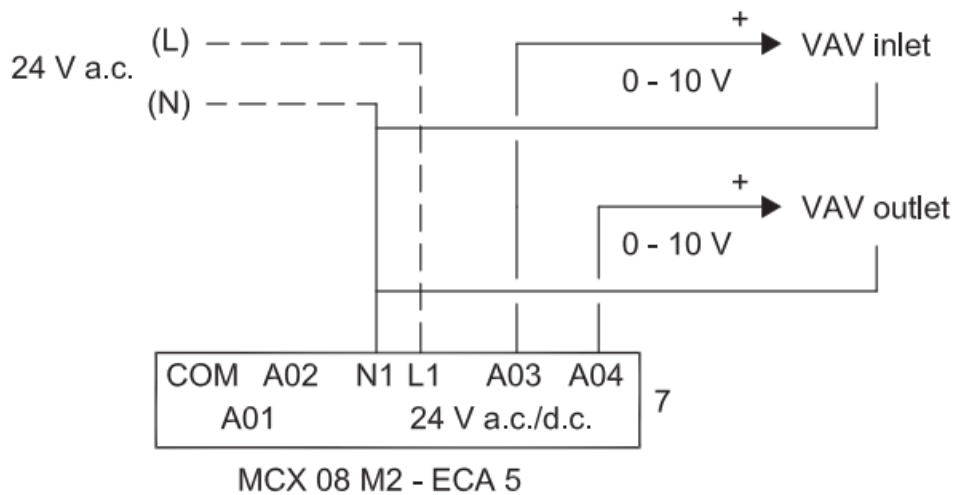




Danfoss
87H1944.10

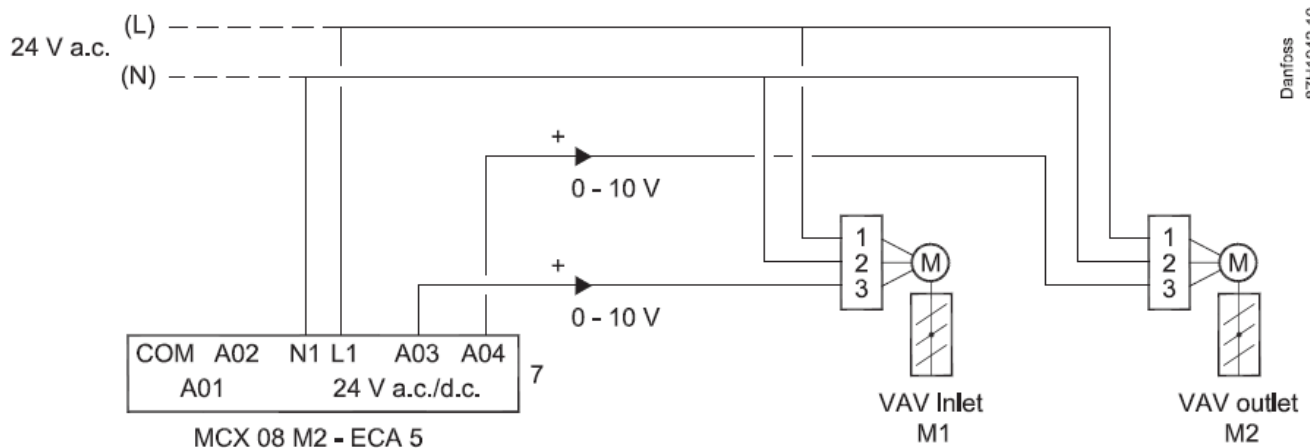
- Blk = Black, Schwartz, Noire, Sort
- Red = Red, Rot, Rouge, Rød
- Blu = Blue, Blau, Bleu, Blå

AO3, AO4



Danfoss
87H1941.10

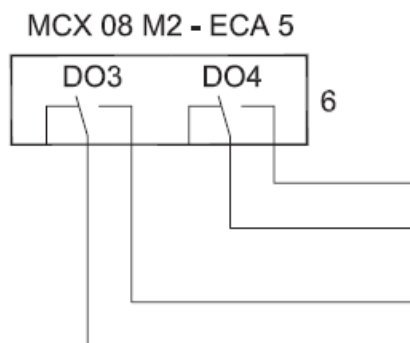
- **AO3:** VAV inlet control
- **AO4:** VAV outlet control



Danfoss
87H1942.10

Digital output

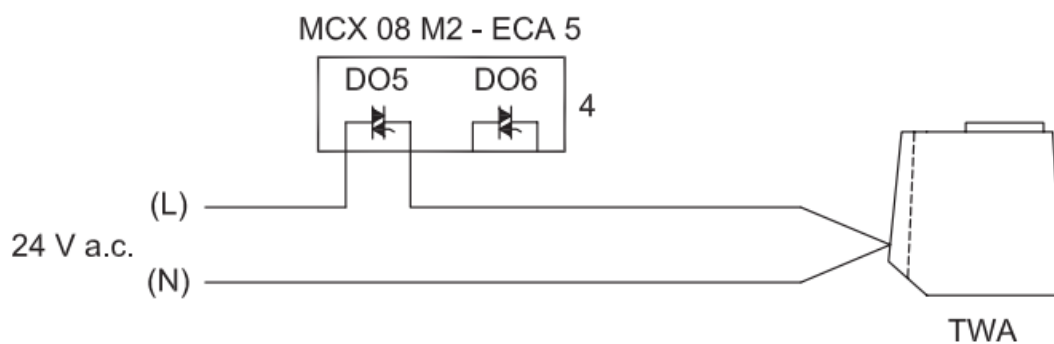
DO3, DO4



Danfoss
87H1945.10

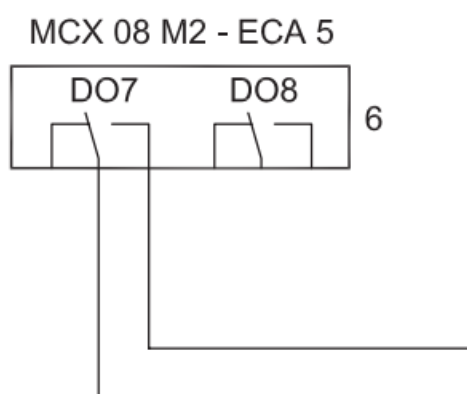
- **DO3:** Forced override
- **DO4:** Time limited override

DO5



Danfoss
87H1948.10

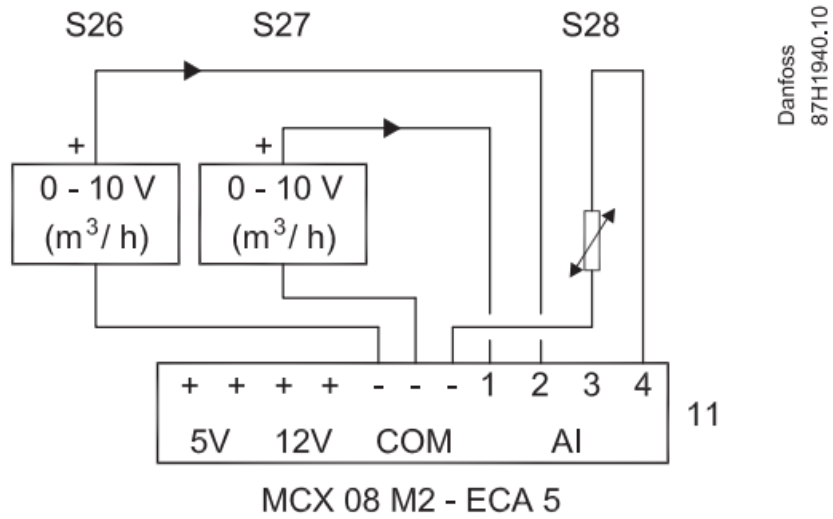
DO7



Danfoss
87H1947.10

Analog input

AI1, AI2, AI4

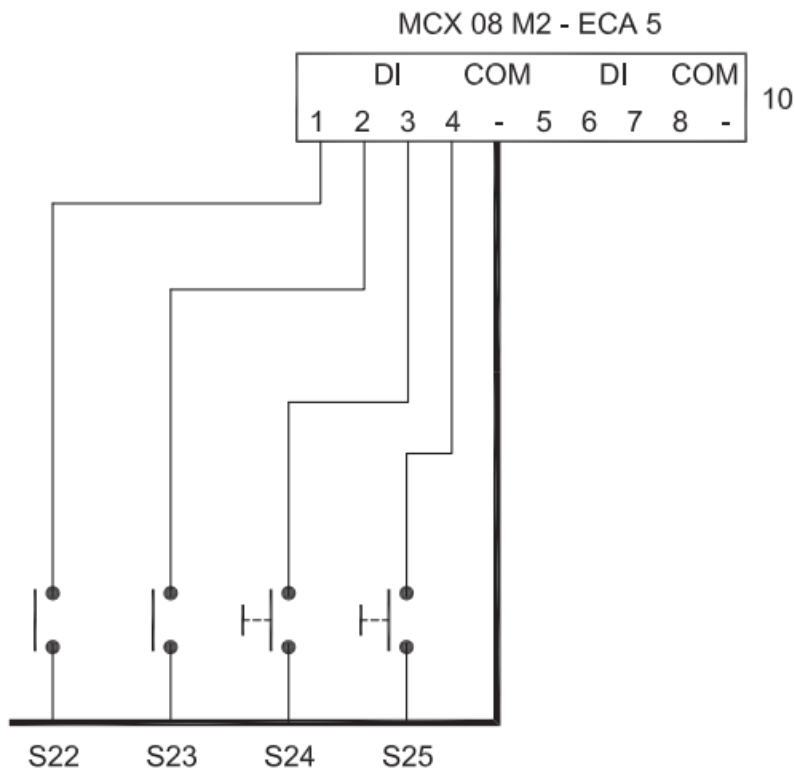


Danfoss
87H1940.10

- **S26:** VAV inlet volume
- **S27:** VAV outlet volume
- **S28:** Window temperature, Pt 1000

Digital input

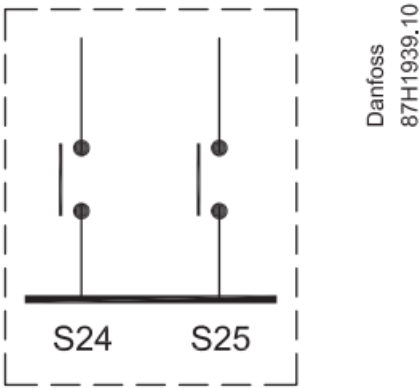
DI1, DI2, DI3, DI4



Danfoss
87H1938.10

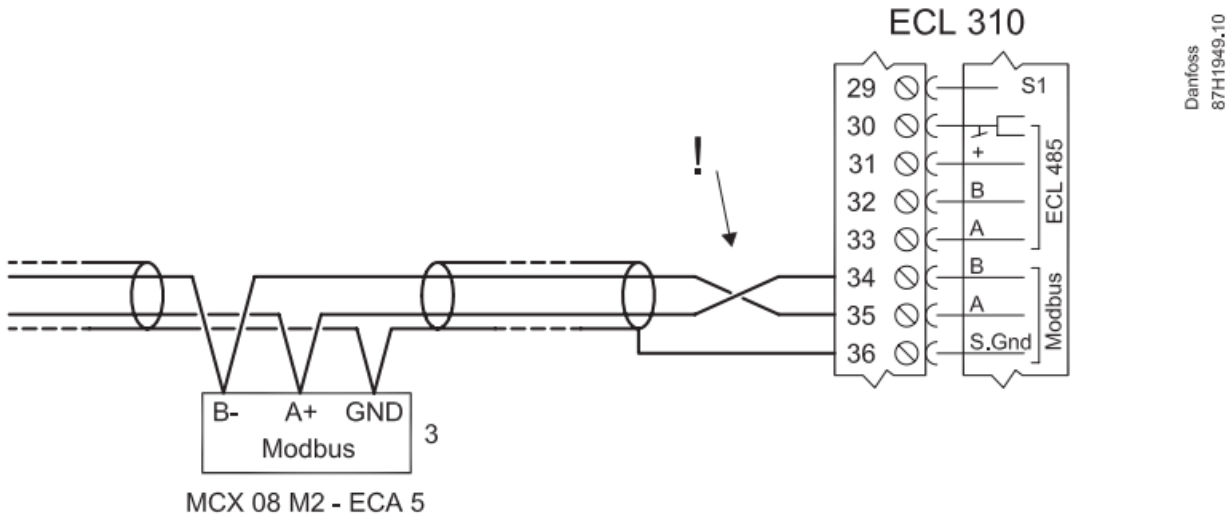
- **S22:** PIR
- **S23:** Window
- **S24:** Time limited override
- **S25:** Forced override

DI3, DI4 Alternative

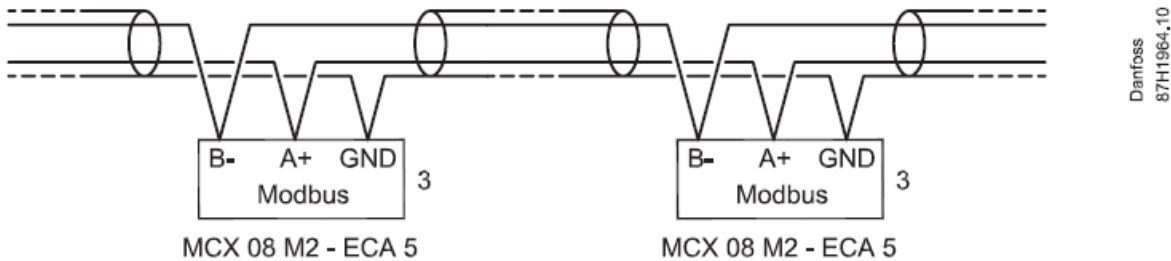


Modbus

ECL 310 – MCX 08 M2 – ECA 5



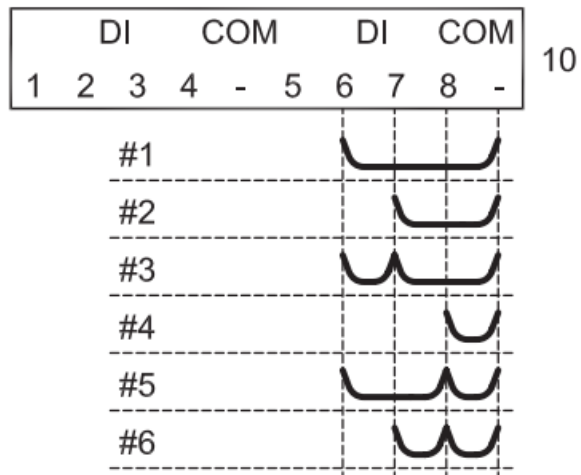
MCX 08 M2 – ECA 5
(Daisy chain)



Digital input:

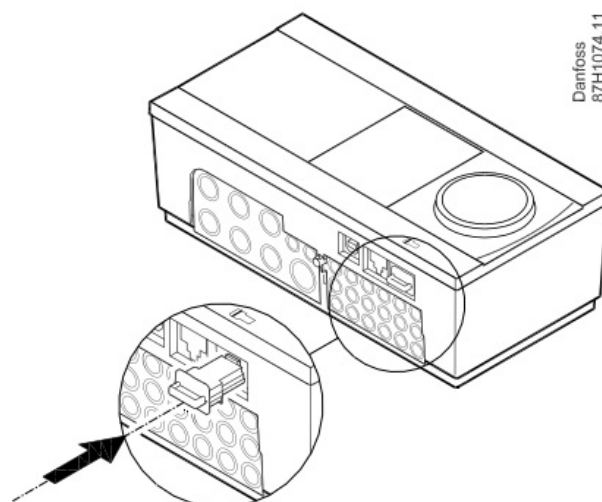
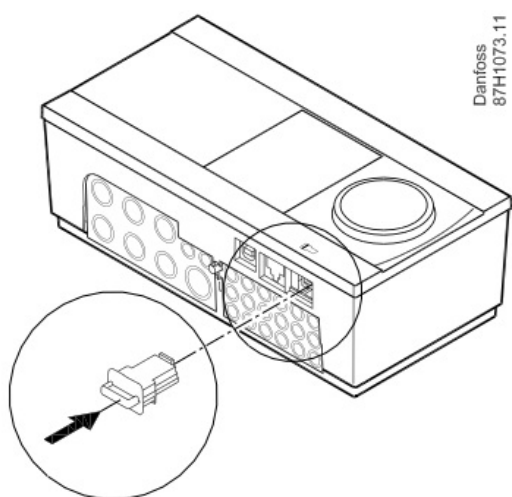
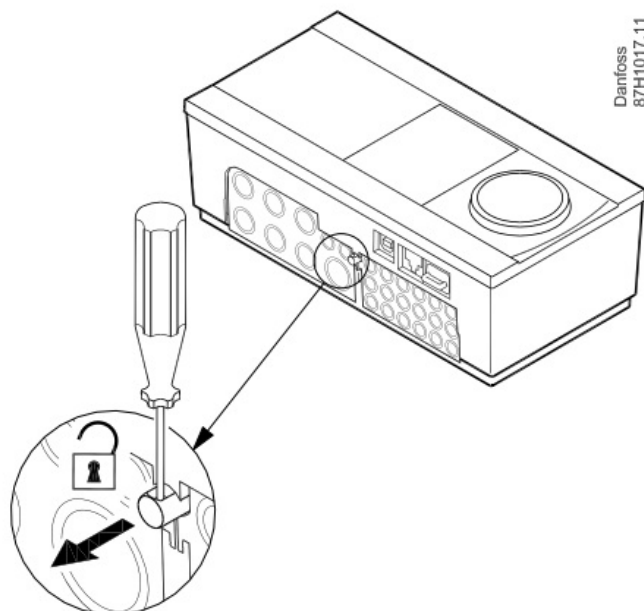
DI6, DI7, DI8 Modbus address #1, #2, #3, #4, #5, #6

MCX 08 M2 - ECA 5



Danfoss
87H1937.10

Installation Guide, MCX 08 M2 – ECA 5, 24 V a.c.



- ECL Comfort 310: www.danfoss.com
- MCX 08 M2: www.danfoss.com
- <https://www.youtube.com/user/DanfossHeating->Playlists->How-to-Videos->District> Energy installation videos

Danfoss A/S

Climate Solutions • danfoss.com • +45 7488 2222

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product.

All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.

Frequently Asked Questions

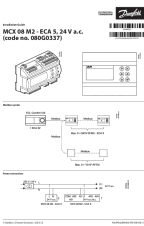
Q: Where can I find more information about ECL Comfort 310 and MCX 08 M2?

A: You can visit the official Danfoss website at www.danfoss.com for detailed product information.

Q: Are there any instructional videos available for District Energy installation?

A: Yes, you can find District Energy installation videos on Danfoss's YouTube channel under Playlists -> How-to Videos section.

Documents / Resources

	<p>Danfoss MCX 08 M2 - ECA 5 Climate Solutions Design Center [pdf] Installation Guide 080G0337, 084B8065, 80G8281, MCX 08 M2 - ECA 5 Climate Solutions Design Center, MCX 08 M2 - ECA 5, Climate Solutions Design Center, Solutions Design Center, Design Center, Center</p>
---	--

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.