




ECL Comfort 210
Electronic
Controller



Danfoss ECL Comfort 210 Electronic Controller Installation Guide

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Danfoss ECL Comfort 210 Electronic Controller



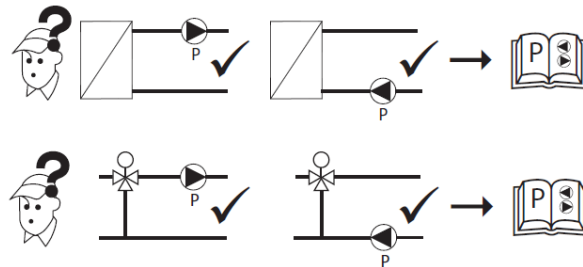
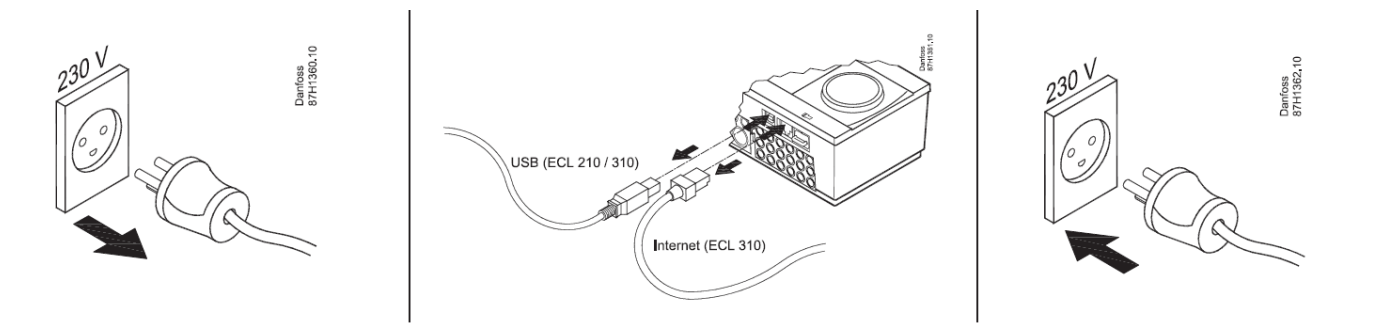
Specifications:

- Model: ECL Comfort 210 / 296 / 310
- Code Number: A266 (087H3800)
- Input: 230 V a.c.
- Output: 0-10 V, 3-point control
- Current Rating: 4(2) A / 230 V a.c., 0.2 A / 230 V a.c.

Product Usage Instructions

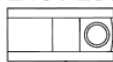
Installation:

1. Ensure power supply matches the input requirement (230 V a.c.).
2. Connect M1 and M2 to the relevant control points using 3-point or 0-10 V connections as needed.





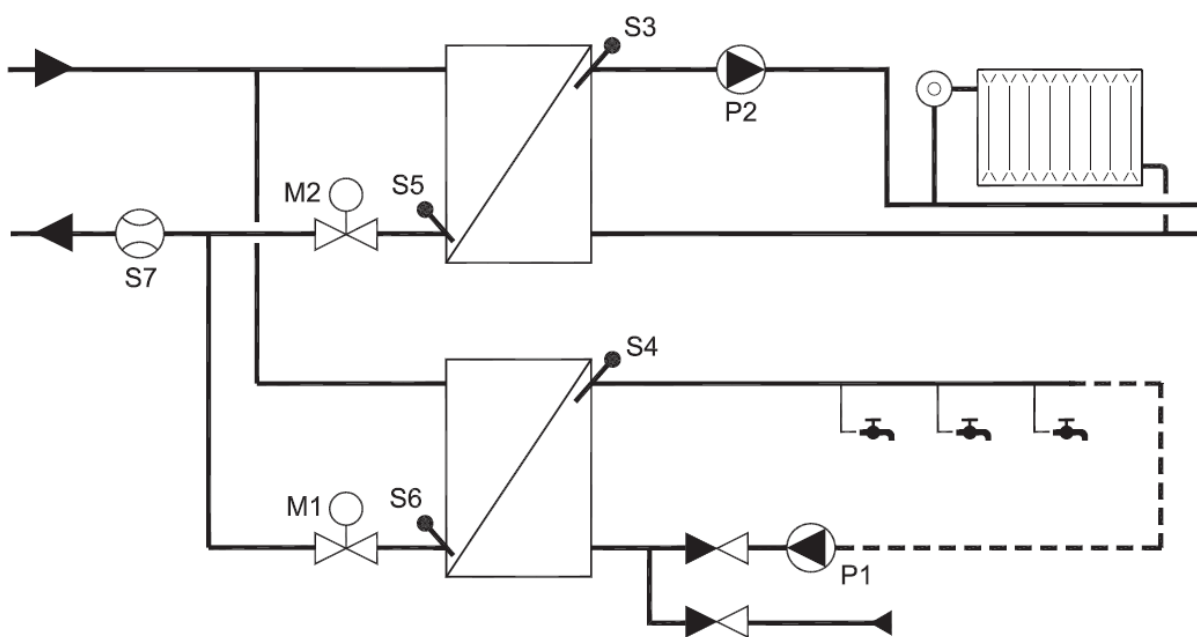
ECL 210 / 296 / 310



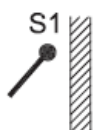
A1



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87H1006.17



M1, M2 = 3-point / 0 - 10 V



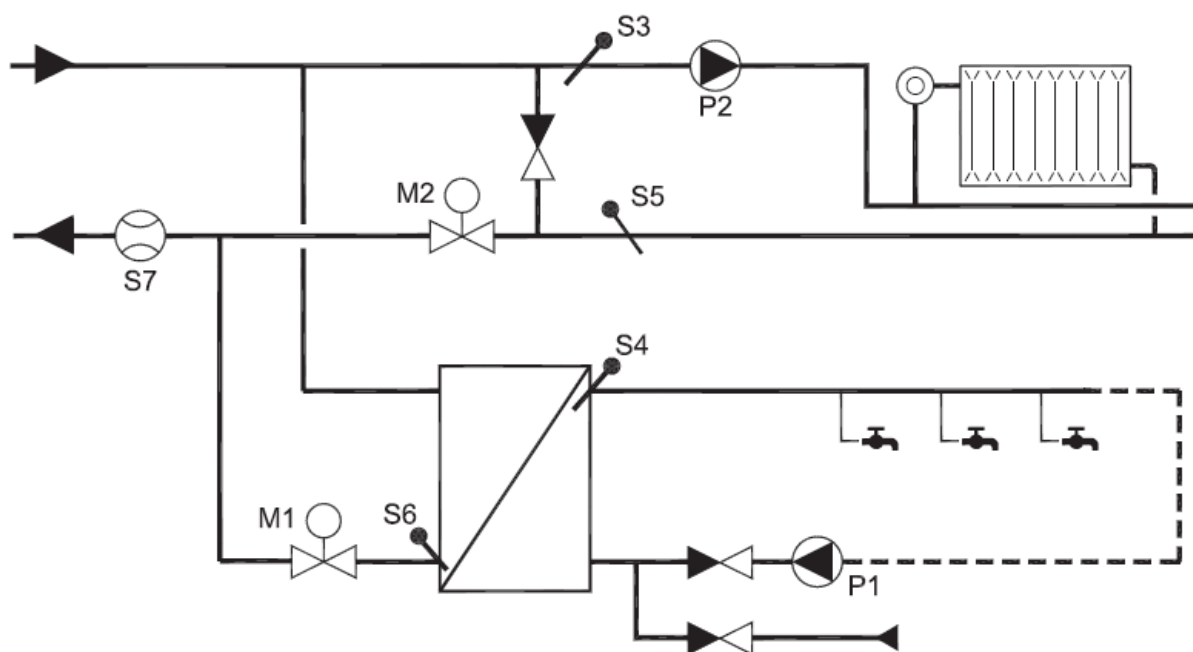
ECL 210 / 296 / 310



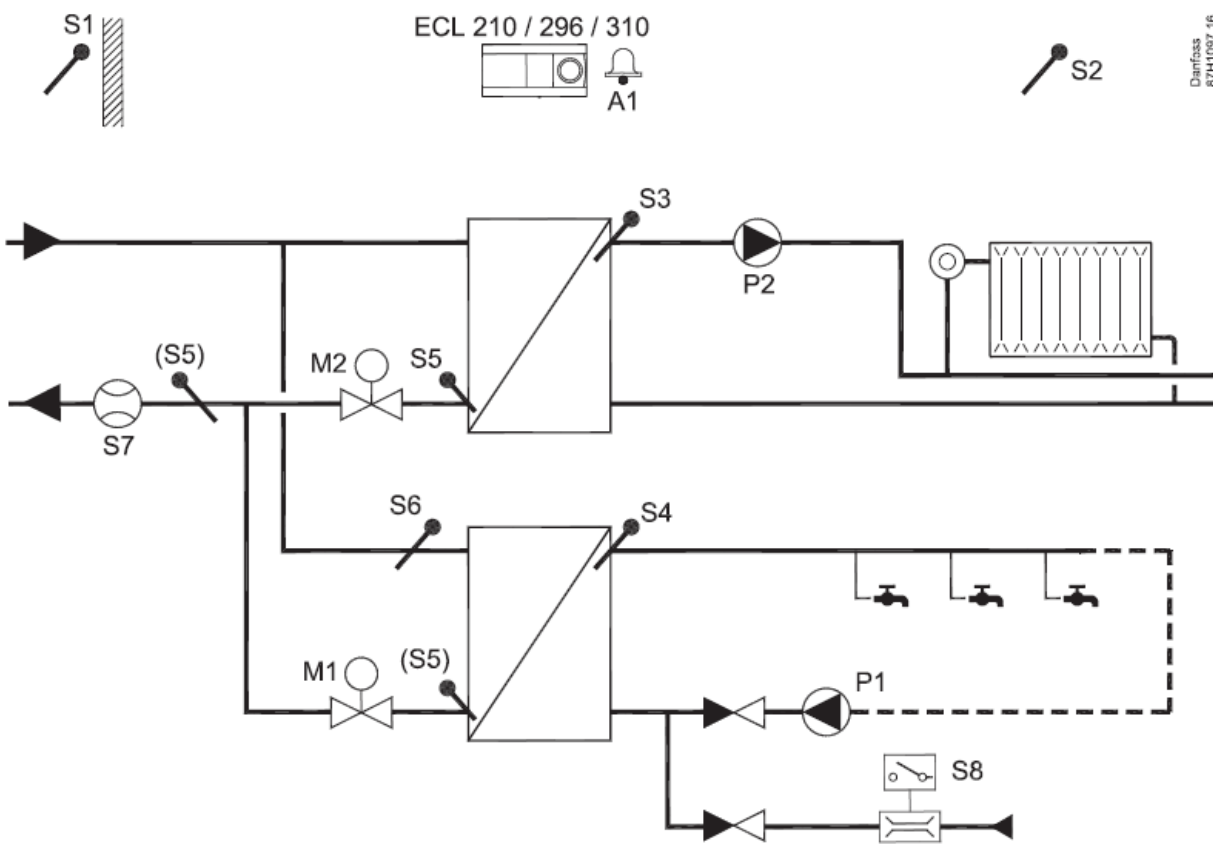
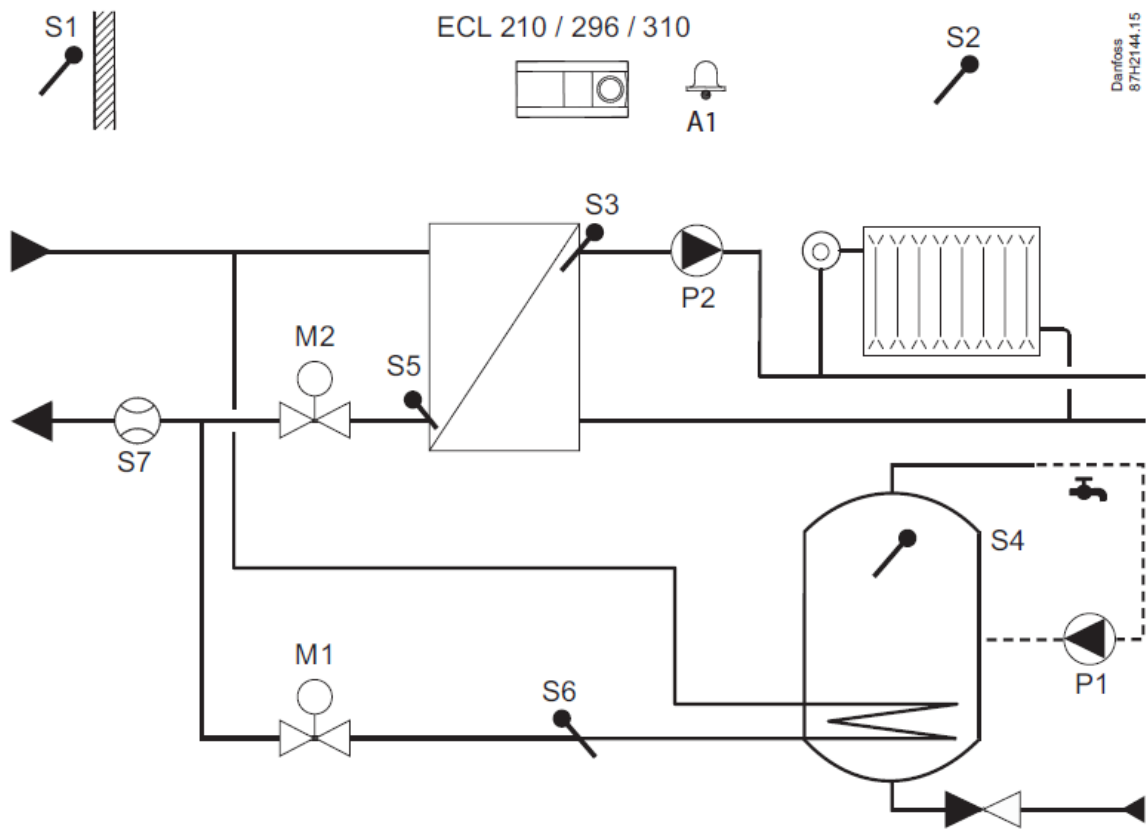
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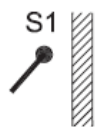


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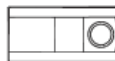


M1, M2 = 3-point / 0 - 10 V

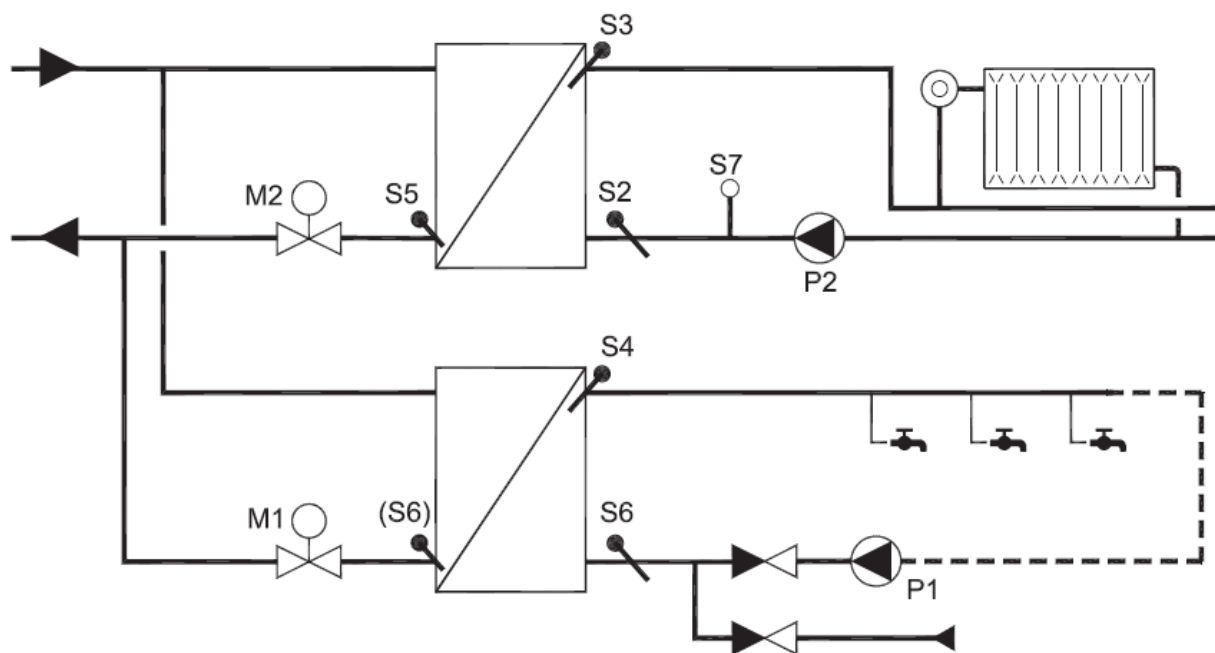




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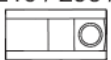
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87H1025.16



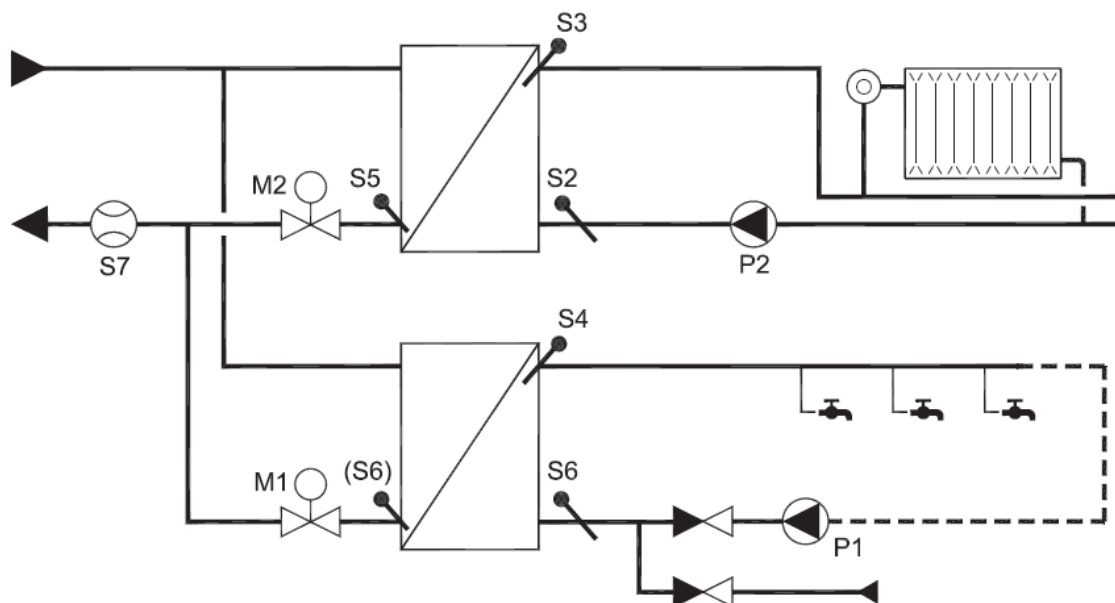
M1, M2 = 3-point / 0 - 10 V



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87H1453.13






M1, M2 = 3-point / 0 - 10 V

A266, ECA 32

	0 – 10 V:	
	M1	M2
A266.1	✓	✓
A266.2		✓
A266.9	✓	✓
A266.10	✓	✓

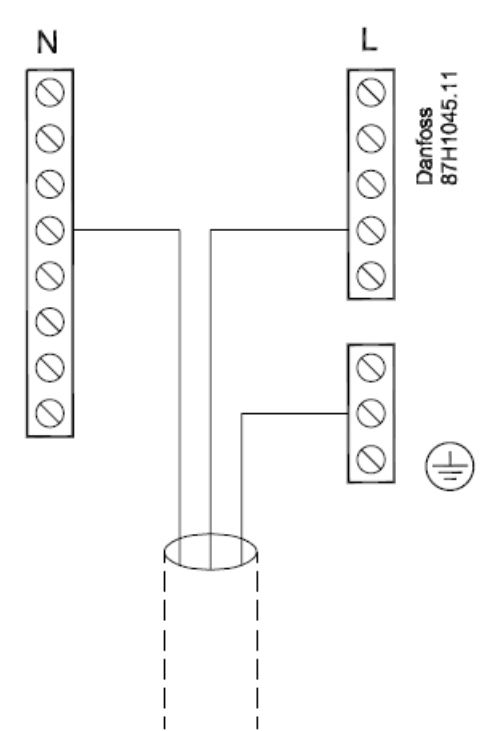
ECL Comfort 210 / 296 / 310: 230 V a.c.

R 	4 (2) A / 230 V a.c.
R 	
Tr 	0,2 A / 230 V a.c.

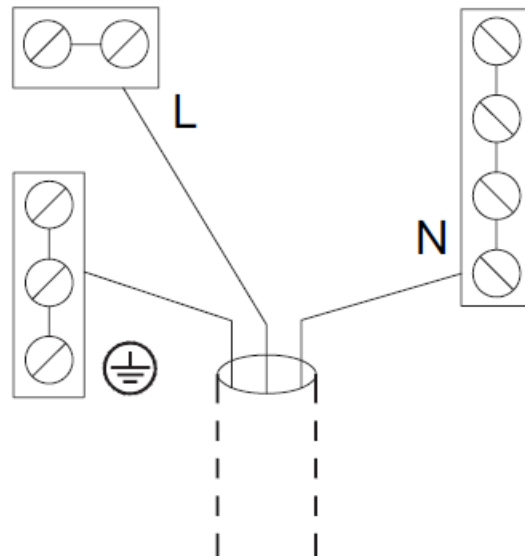
Configuration

Refer to the installation guide for specific configurations based on the model and version of the ECL Comfort device.

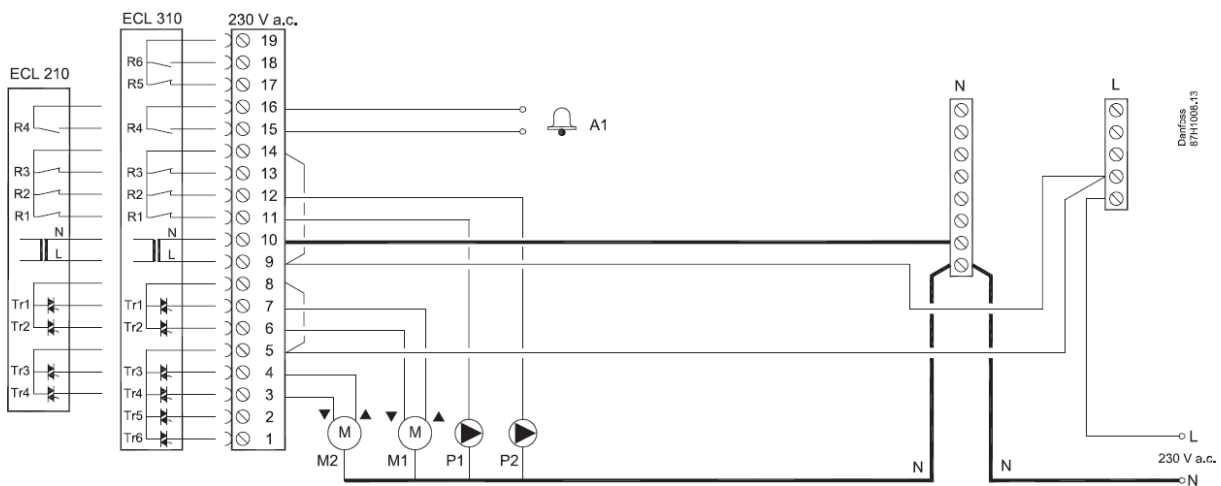
ECL Comfort 210 / 310



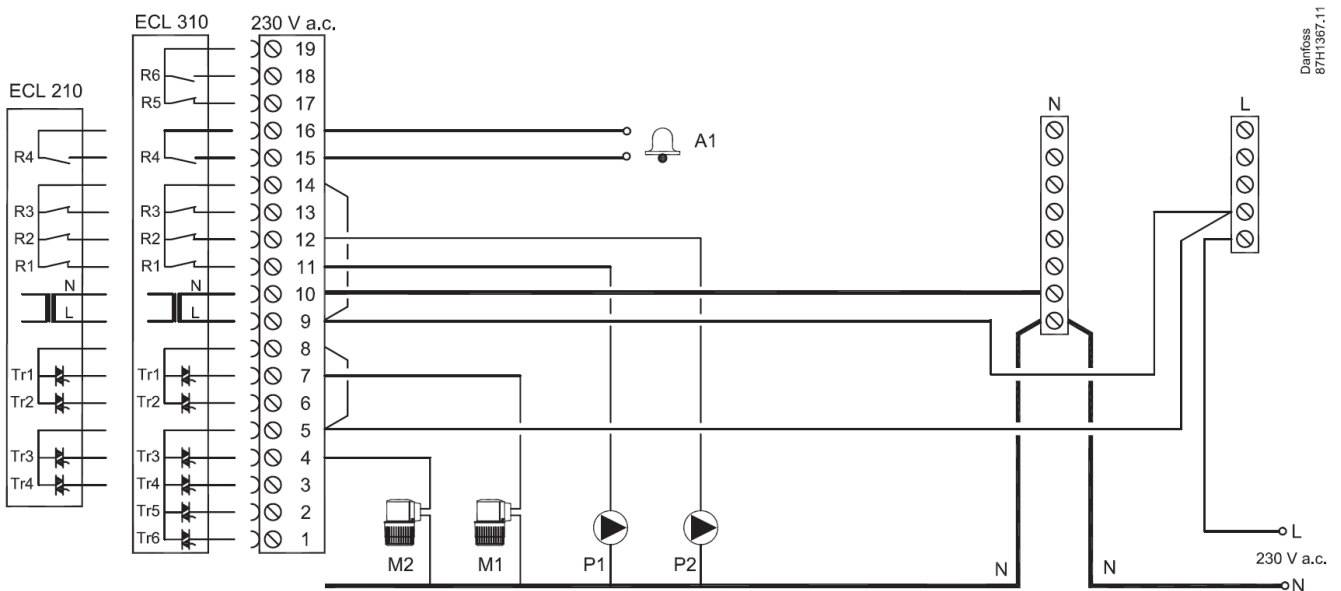
ECL Comfort 296



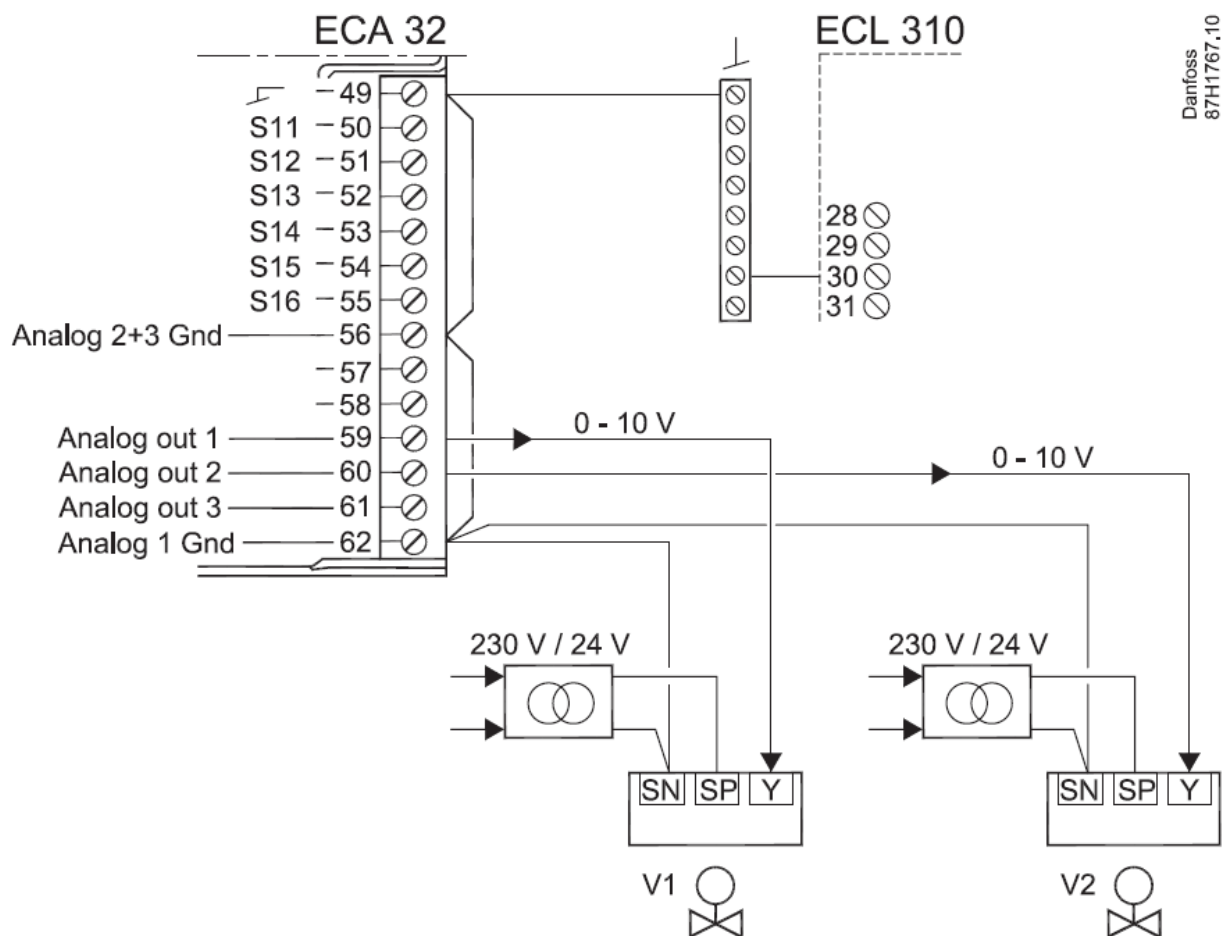
230 V a.c. , A266.1 / A266.2 / A266.9 / A266.10



230 V a.c. , A266.1 / A266.2 / A266.9 / A266.10



A266, ECL Comfort 310
ECA 32, V1, V2

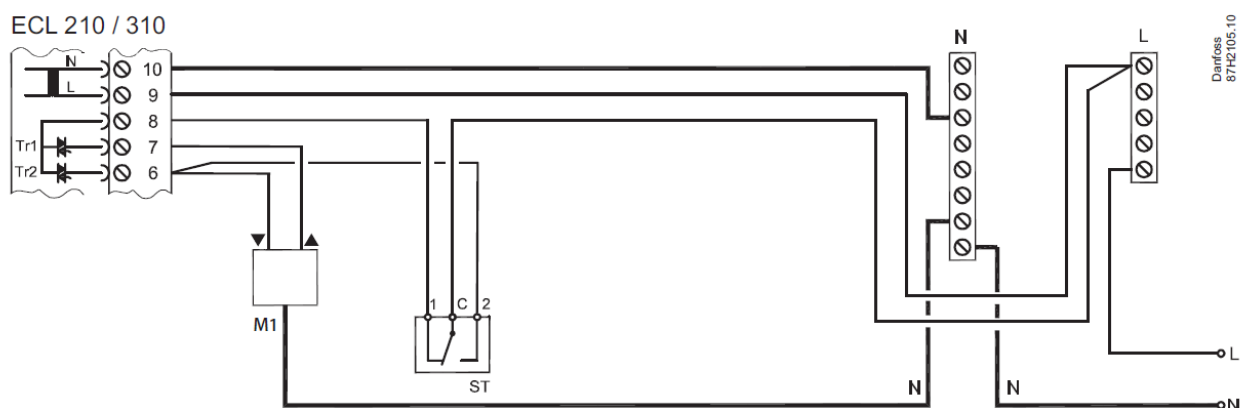


Operation

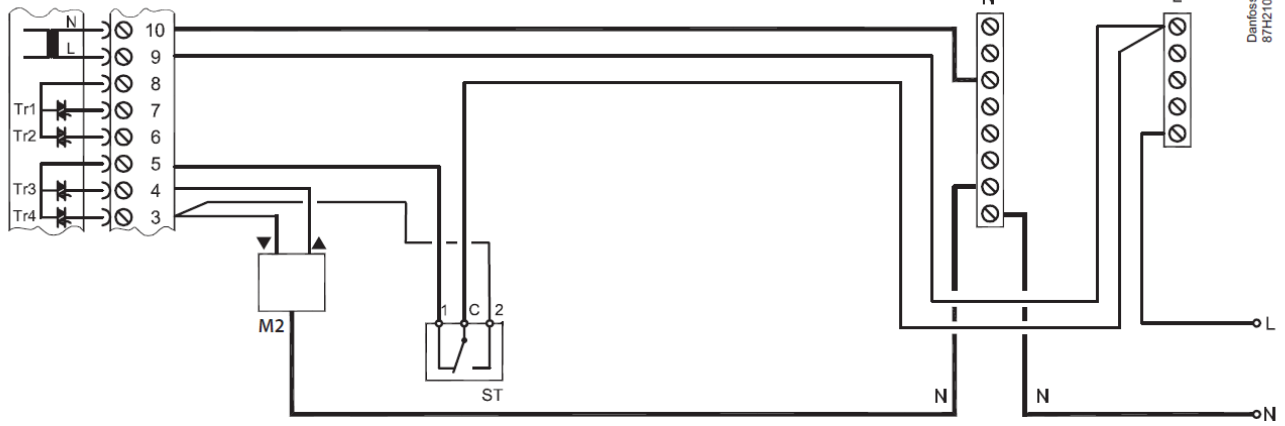
1. Power on the device after installation.
2. Set the desired parameters for temperature control using the provided controls.

230 V a.c. / 24 V a.c. , safety thermostat

1-step closing

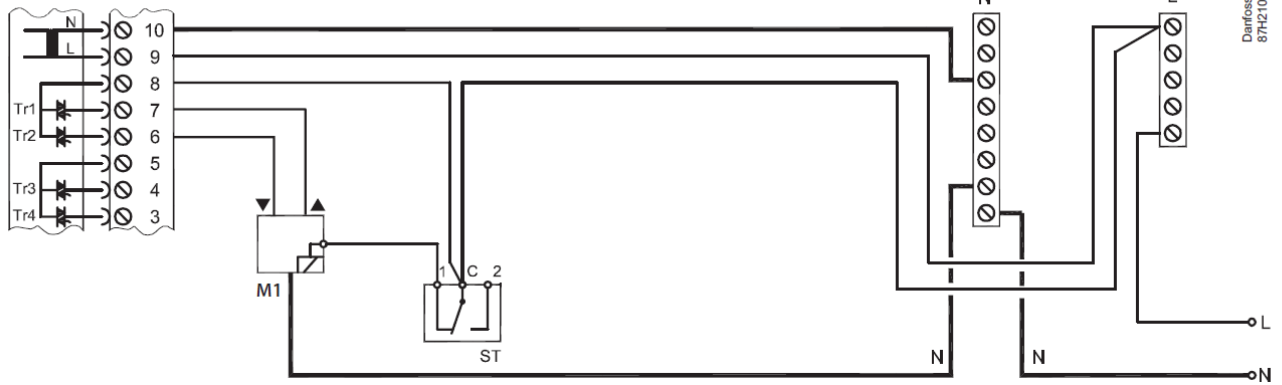


ECL 210 / 310



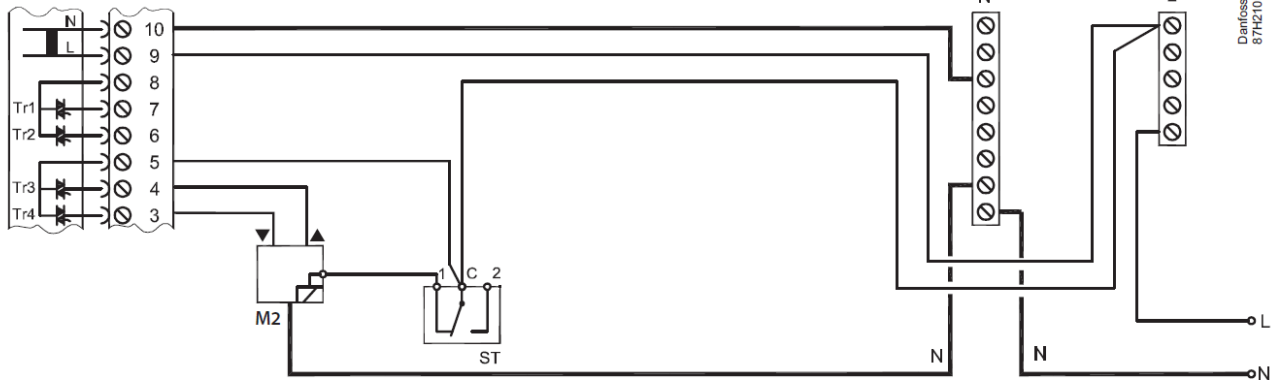
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87H2106.10

ECL 210 / 310



Danfoss
87H2107.10

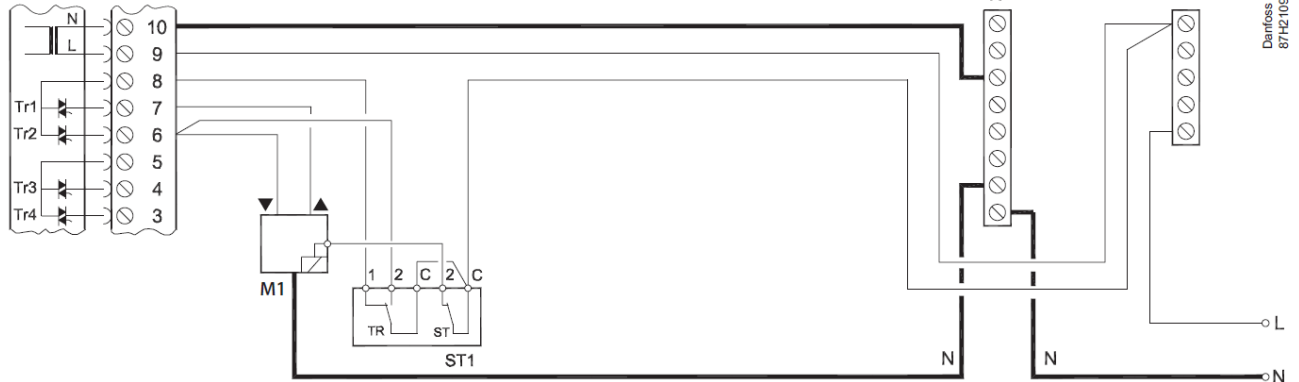
ECL 210 / 310



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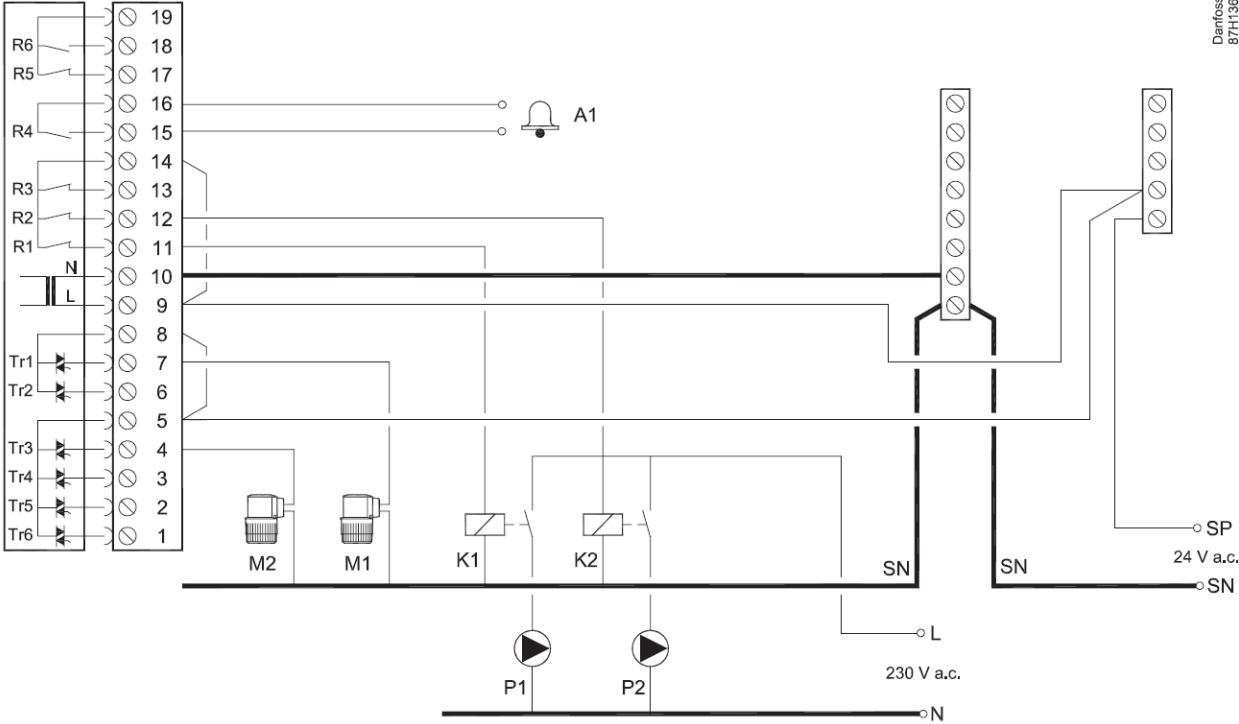
2-step closing

ECL 210 / 310



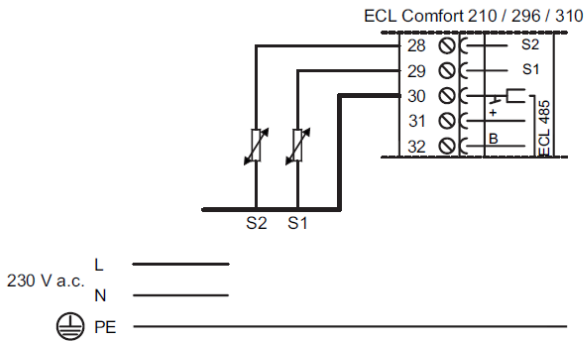
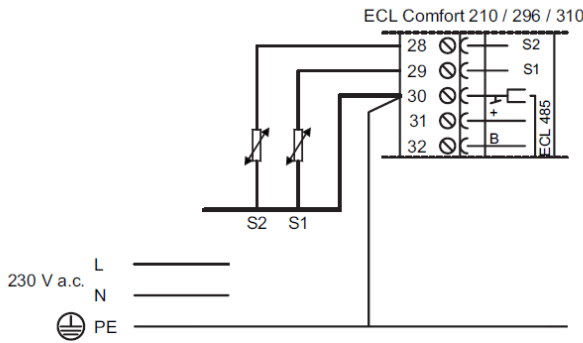
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ECL 310 / 24 V a.c.



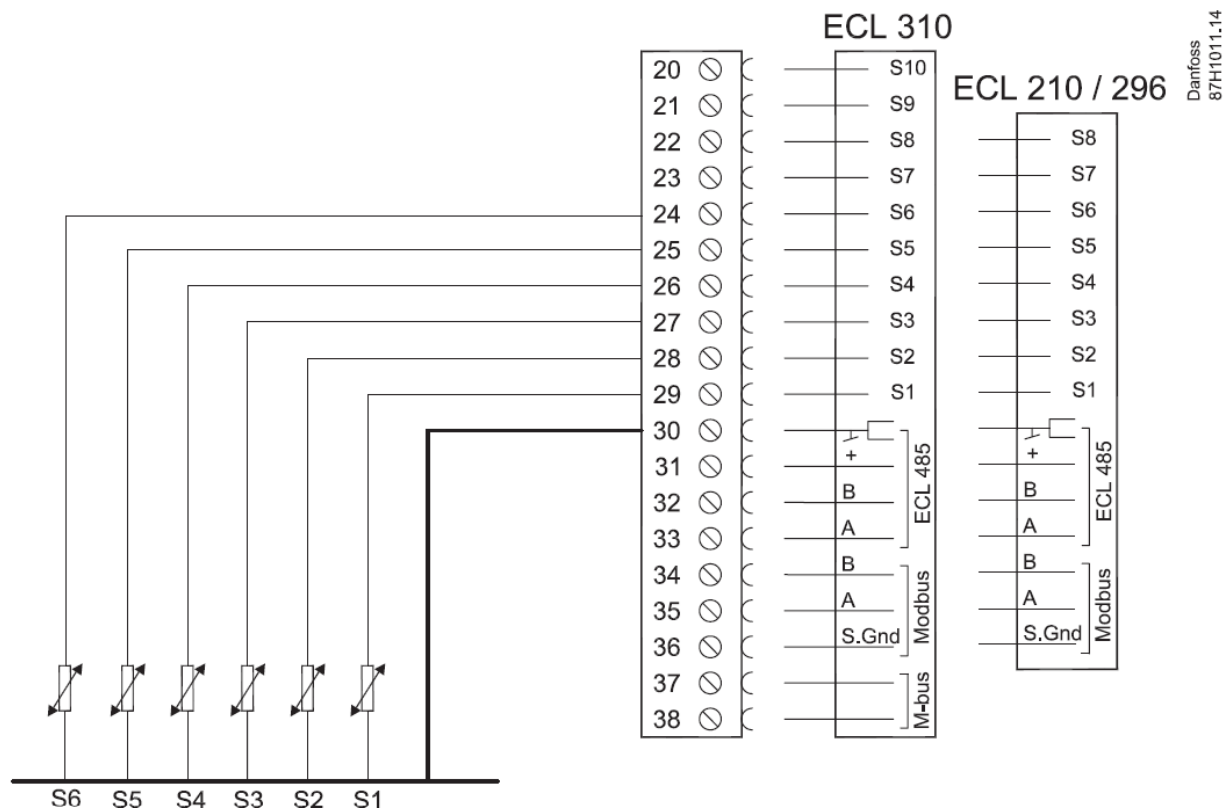
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Pt 1000 (1000 Ω / 0 °C)

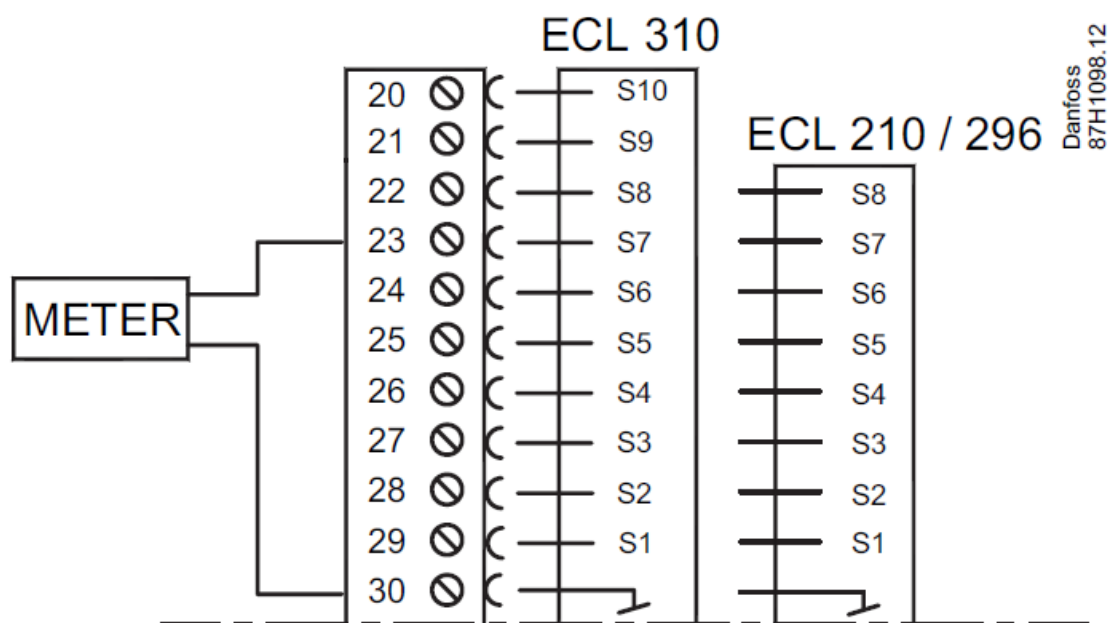


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87H1487.11

A266.1 / A266.2 / A266.9 / A266.10



A266.1 / A266.2 / A266.10



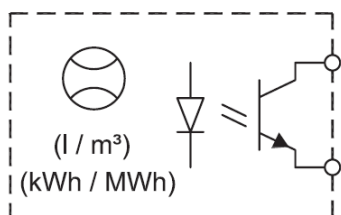


S7



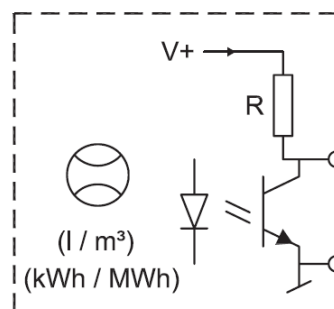
A / B ?

A:

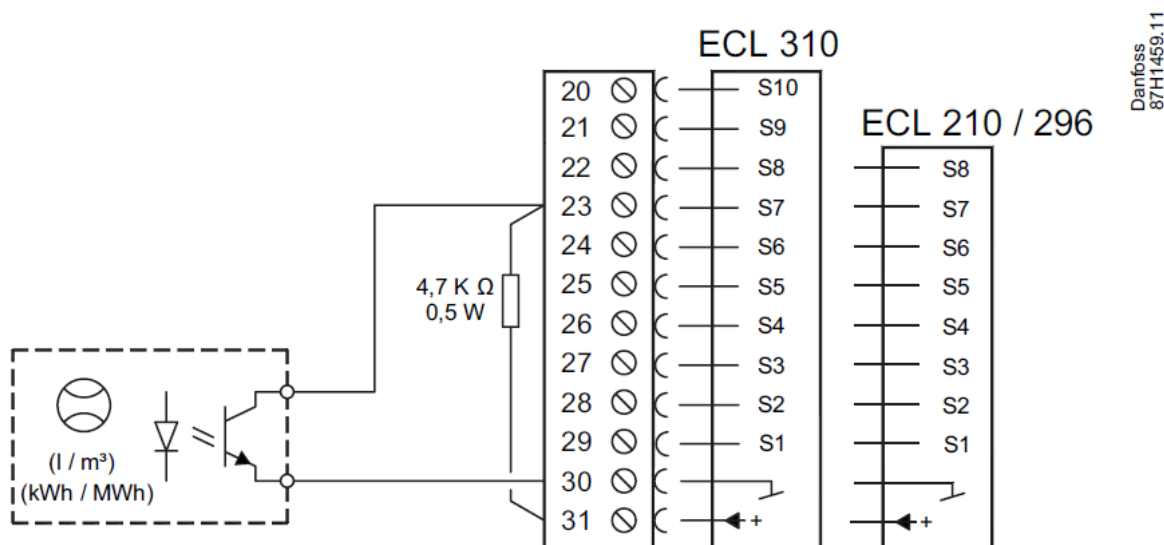


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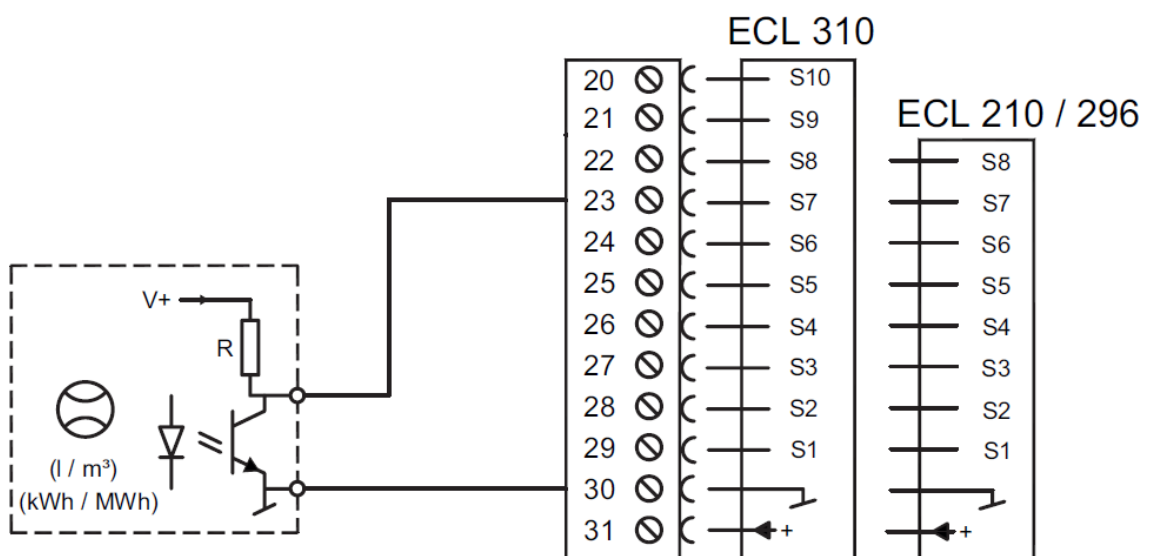
B:



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87H1458.10



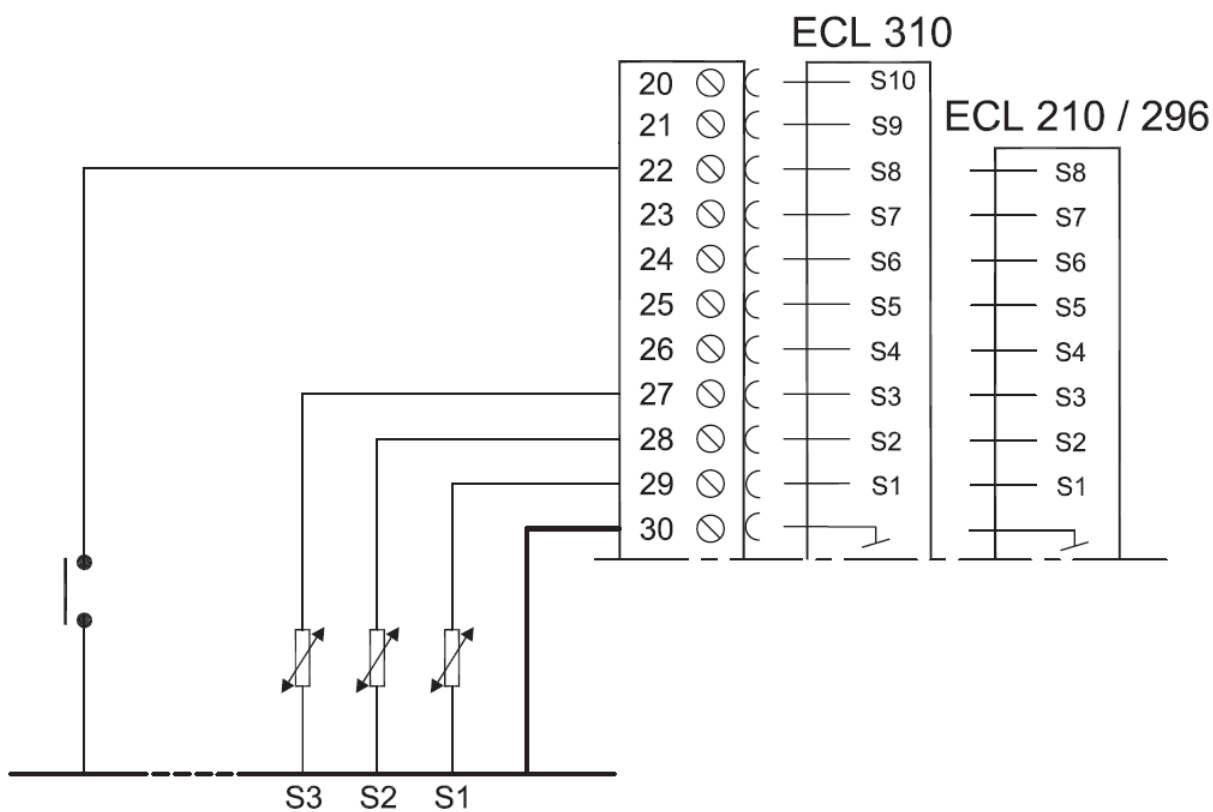
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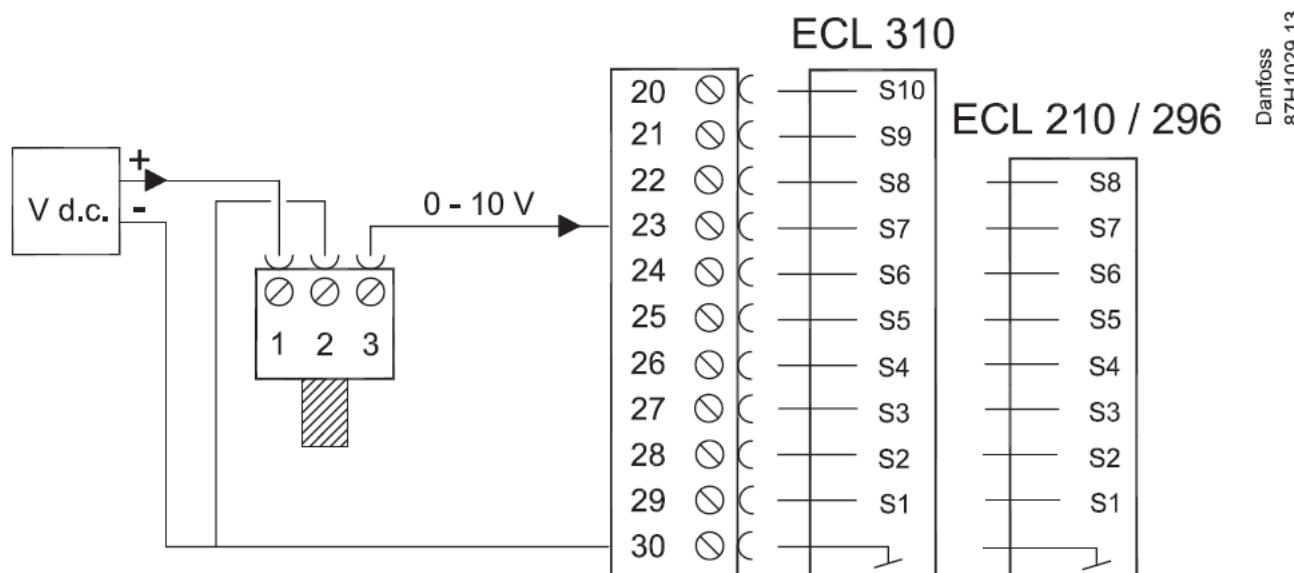
Danfoss
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A266.2 / A266.9 / A266.10

S8

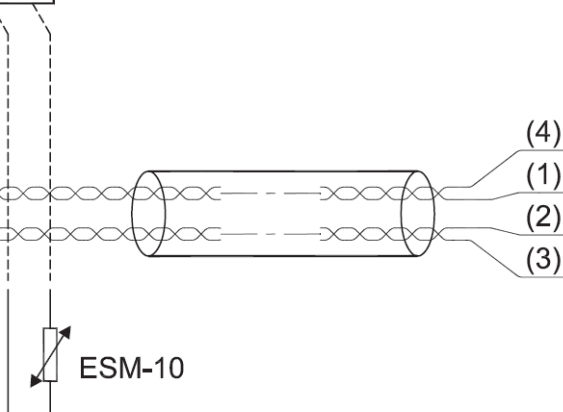
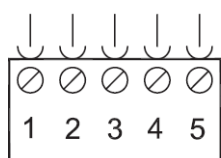


A266.9

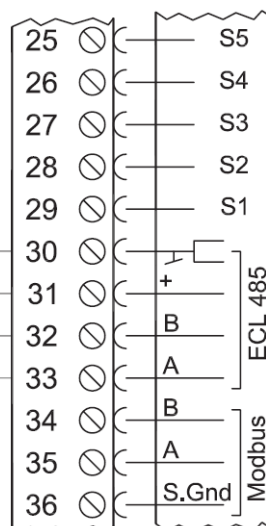


V d.c. = 12 - 24 V d.c.

ECA 30 / 31

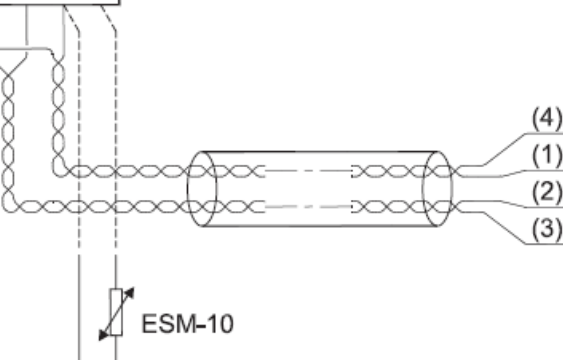
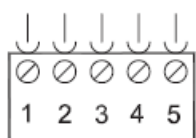


ECL 210 / 296 / 310

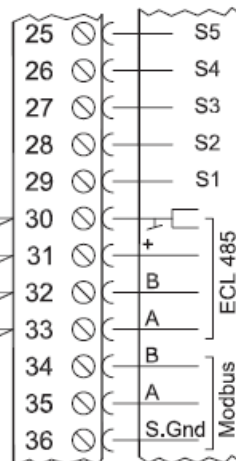


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87H2051.12

ECA 30 / 31

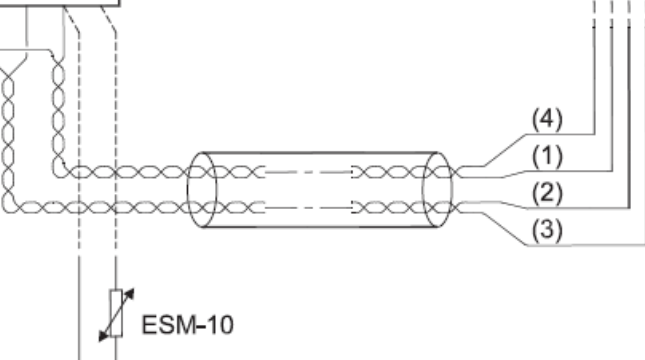
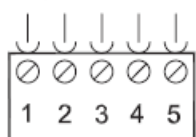


ECL 210 / 296 / 310

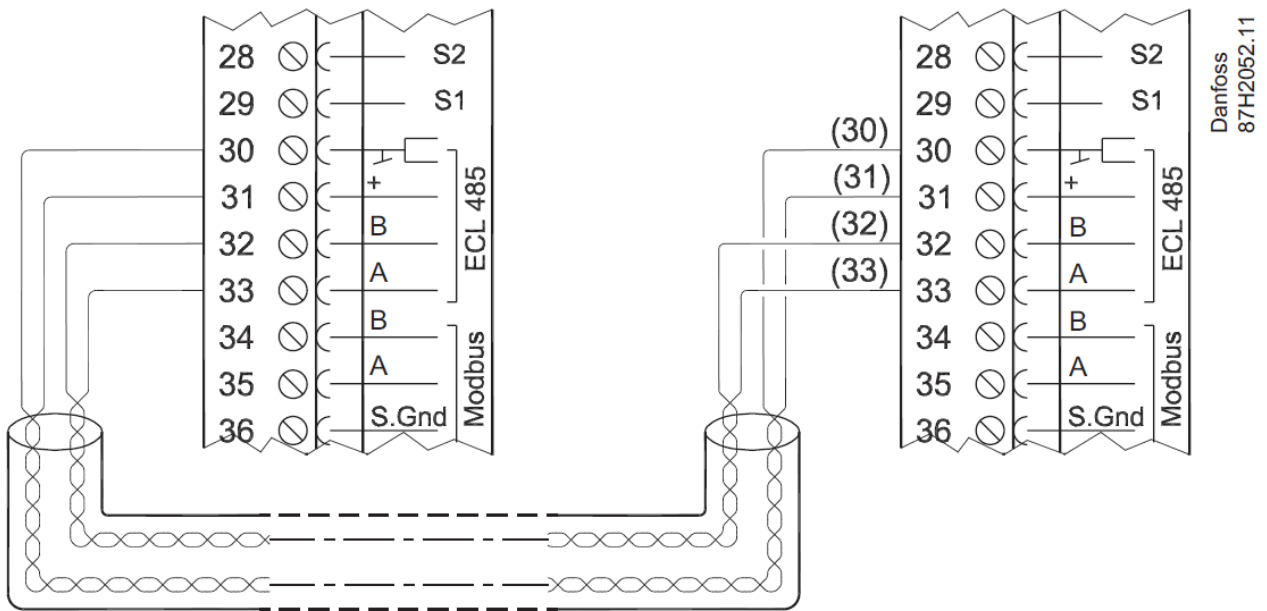


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87H1254.13

ECA 30 / 31

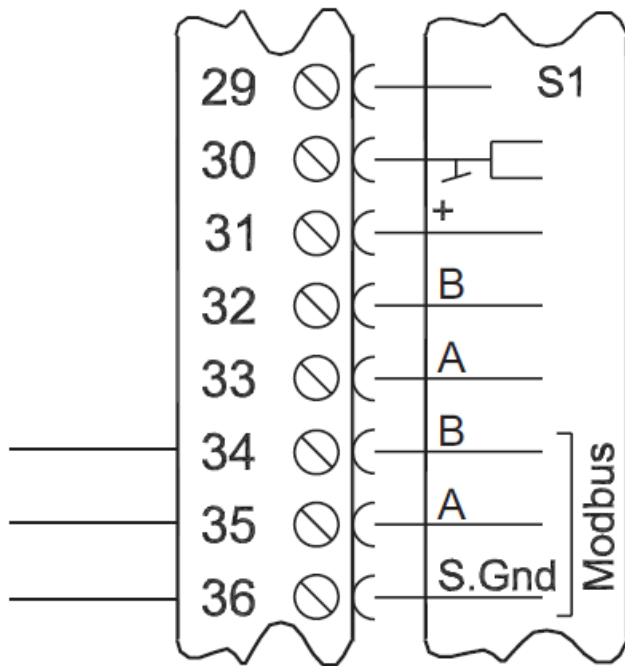


Master / slave



Modbus

ECL 210 / 296 / 310

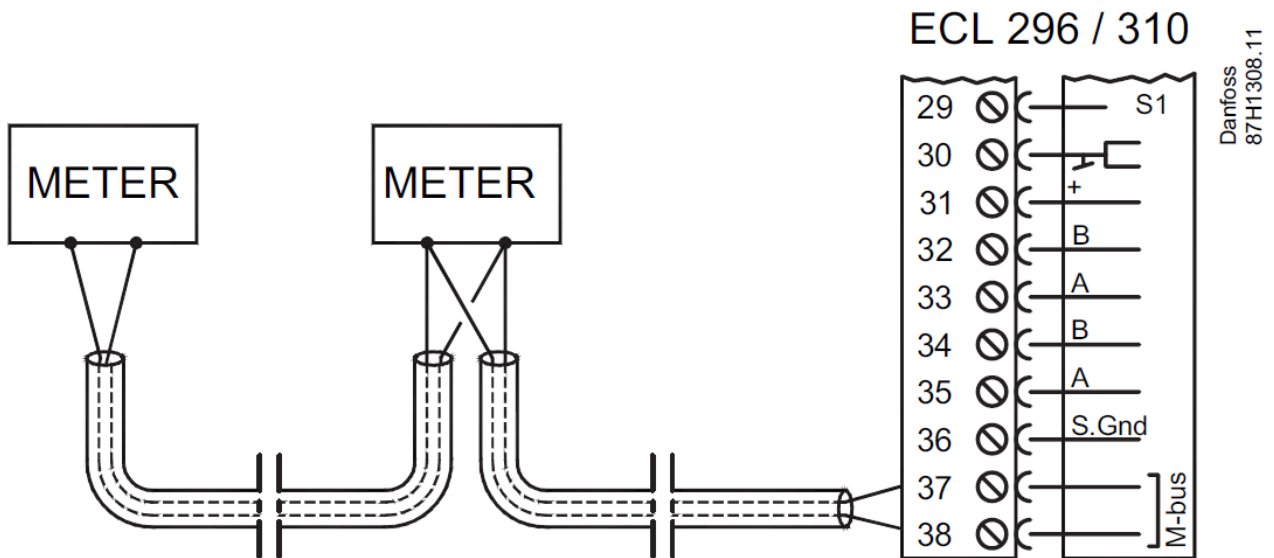
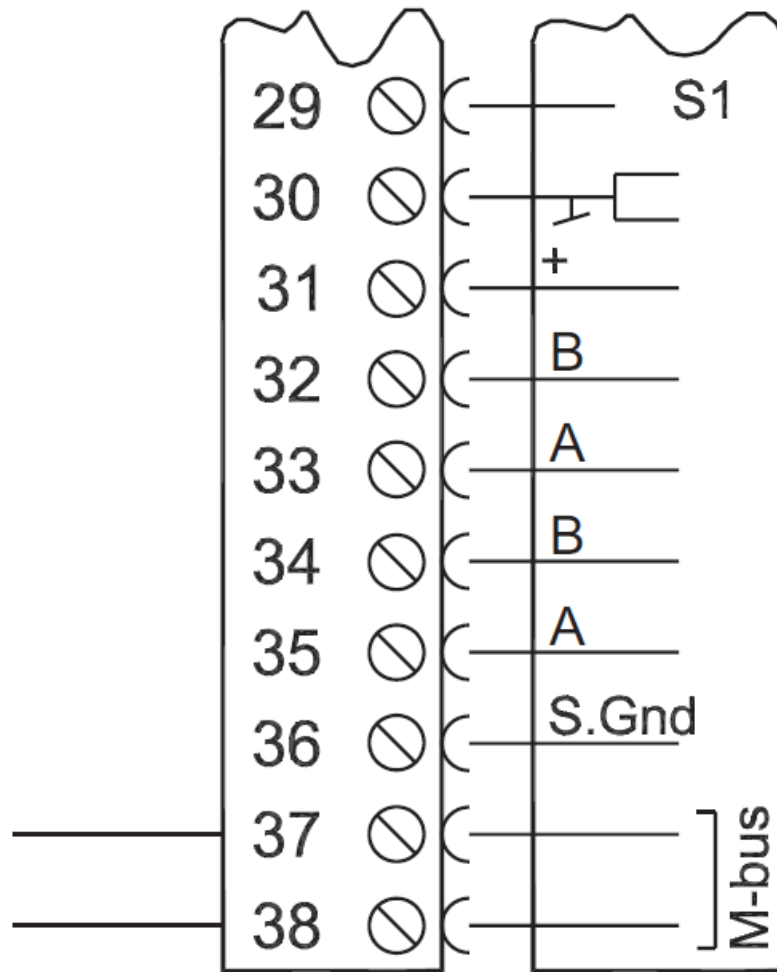


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M-bus

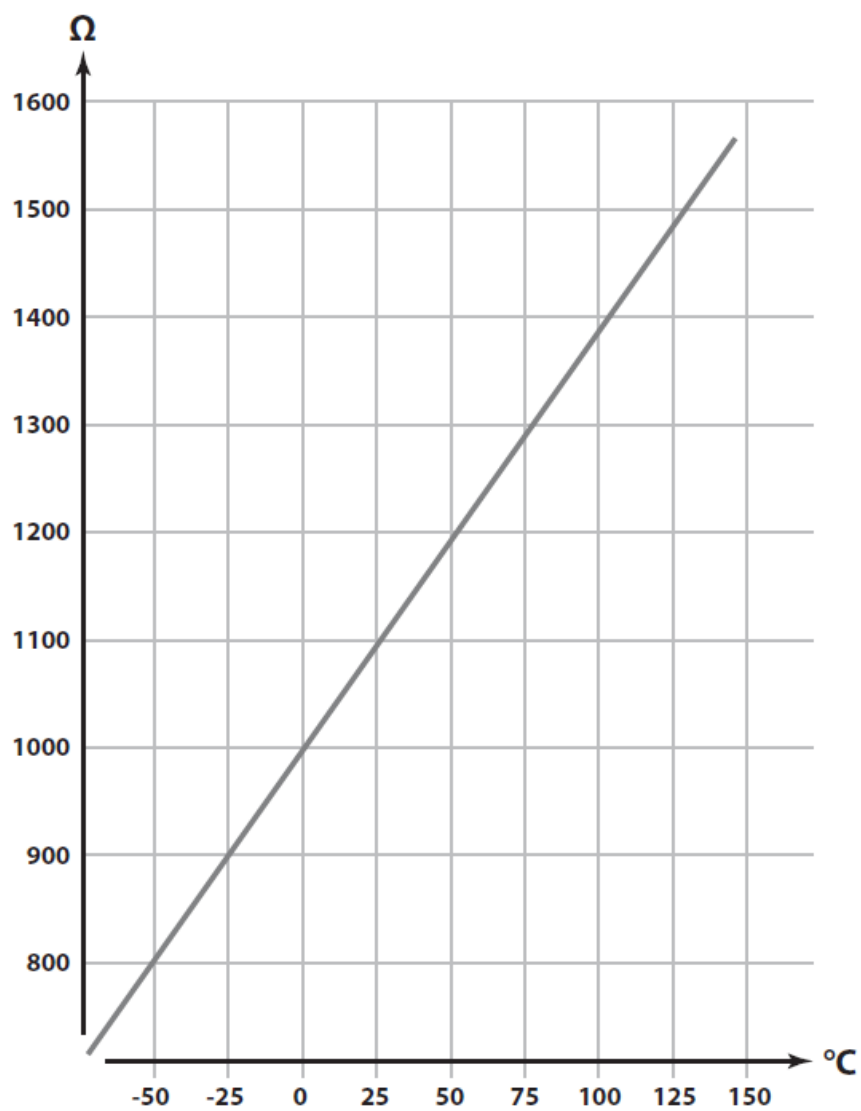
ECL 296 / 310

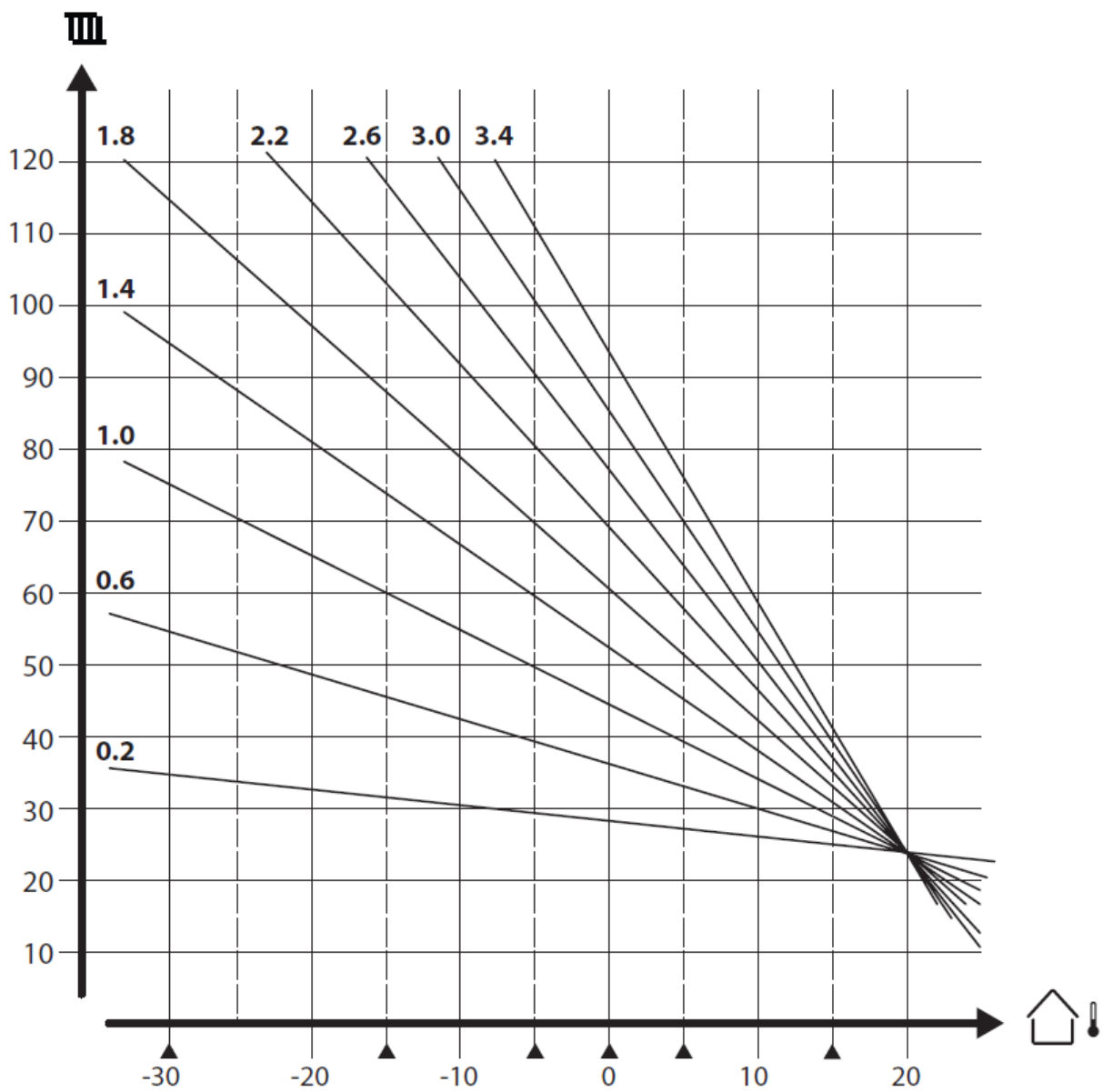
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Pt 1000 (IEC 751B, 1000 Ω / 0 °C)

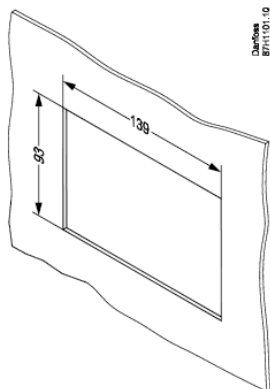
°C	Ω
-50	803
-40	843
-30	882
-20	922
-10	961
0	1000
10	1039
20	1078
30	1117
40	1155
50	1194
60	1232
70	1271
80	1309
90	1347
100	1385
110	1423
120	1461
130	1498
140	1535
150	1573



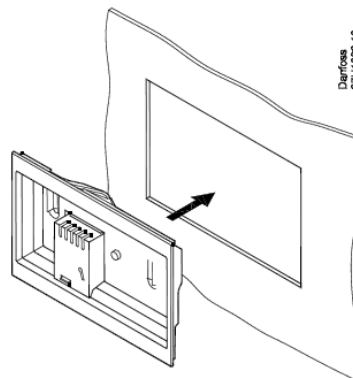


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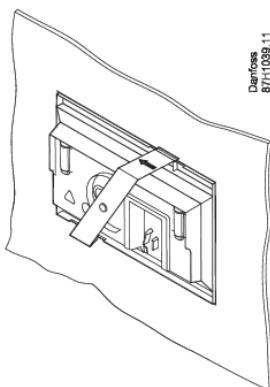
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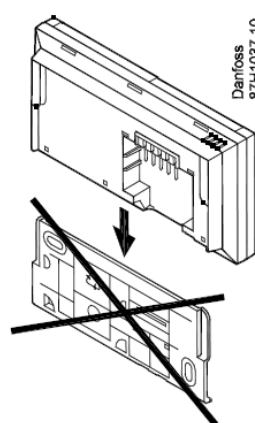
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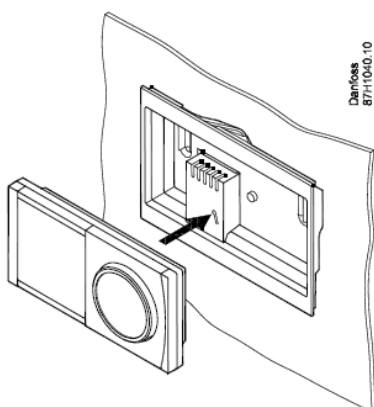
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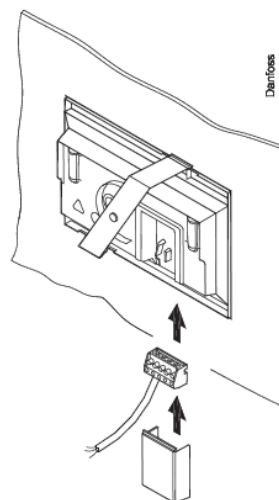
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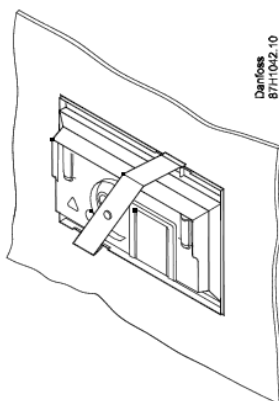
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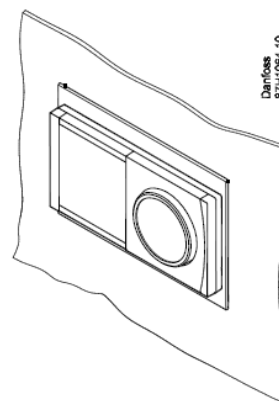
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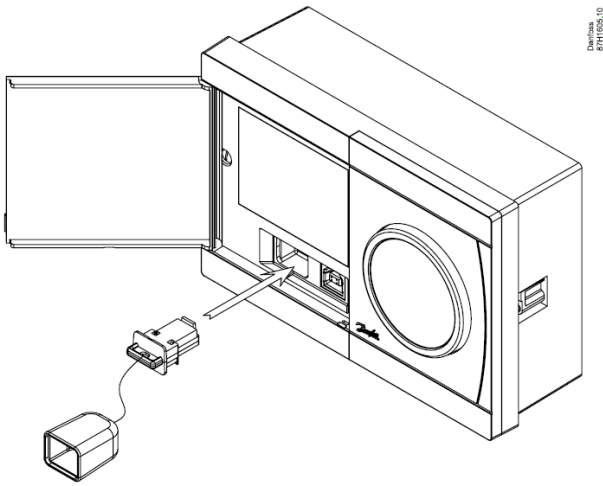
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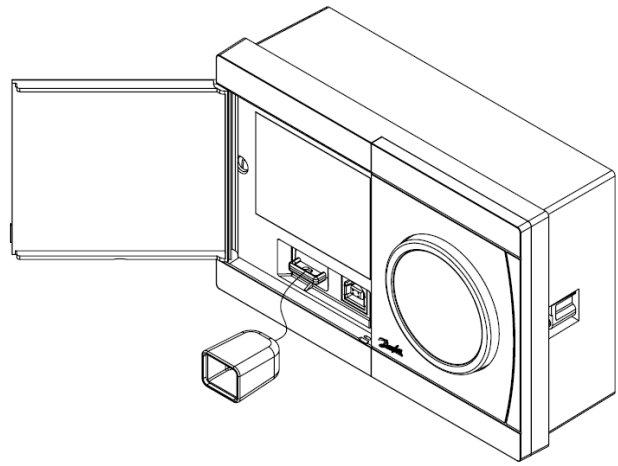
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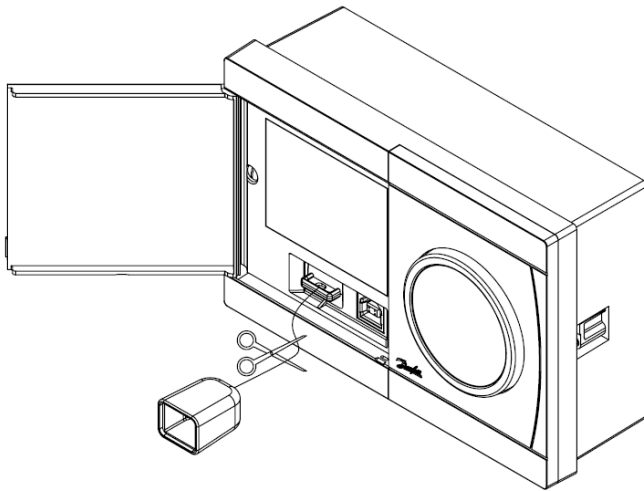
A:



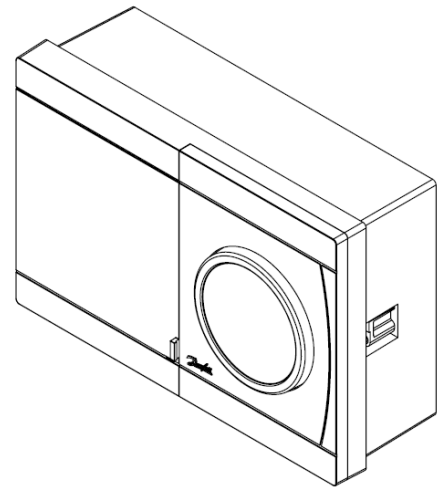
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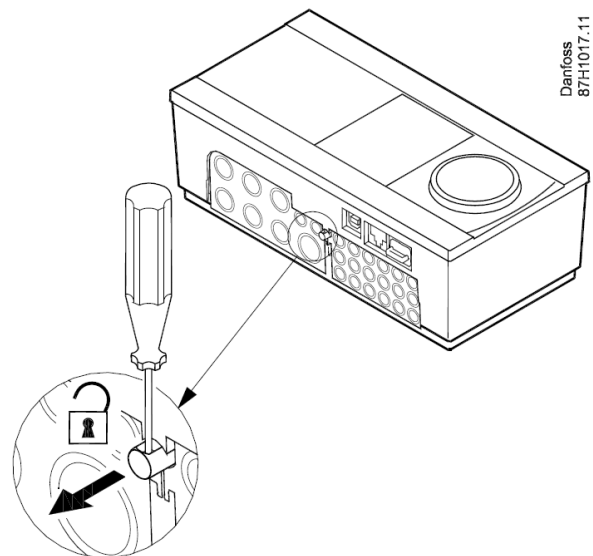
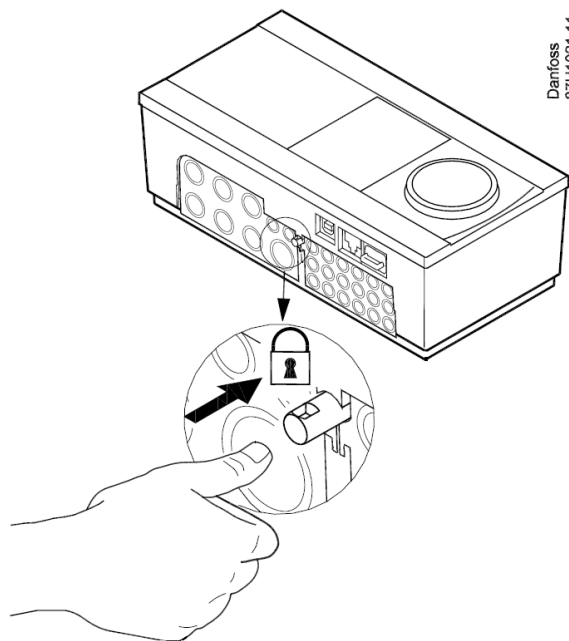
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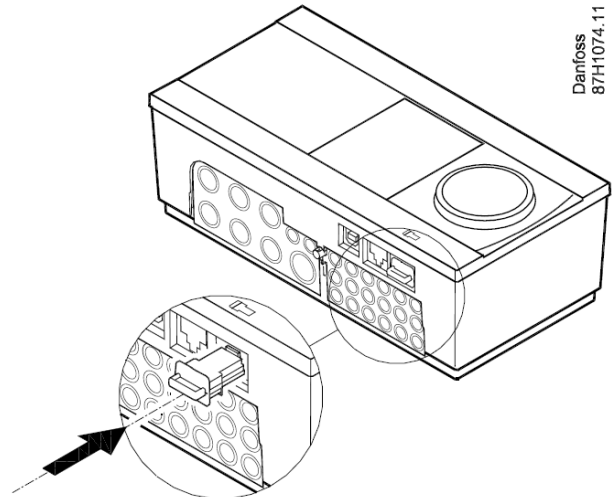
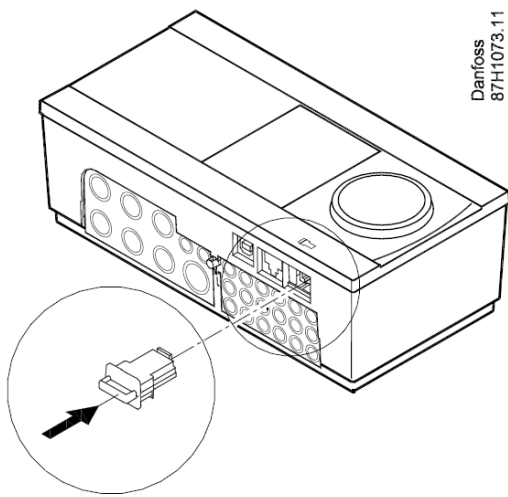


D:



ECL Comfort 210 / 310





Maintenance:

Regularly check and clean the device to ensure proper functioning. Refer to the maintenance section of the user manual for detailed instructions.

ECL Comfort 210 / 296 / 310, A266: www.heating.danfoss.com
<https://www.youtube.com/user/DanfossHeating>

-> Playlists -> How-to Videos -> District Energy installation videos

Danfoss A/S

Heating Segment

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- E-Mail: heating@danfoss.com

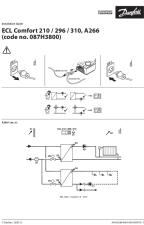
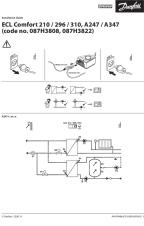
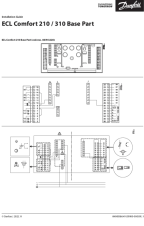
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FAQ

- **Q: What is the input voltage requirement for the ECL Comfort devices?**
 A: The input voltage requirement is 230 V a.c.
- **Q: What type of control outputs are supported by the ECL Comfort devices?**
 A: The devices support 0-10 V and 3-point control outputs.
- **Q: How do I configure the ECL Comfort device for specific temperature control?**
 A: Refer to the installation guide for detailed configuration instructions based on the model and version of the device.

Documents / Resources

	<p>Danfoss ECL Comfort 210 Electronic Controller [pdf] Installation Guide ECL Comfort 210, ECL Comfort 210 Electronic Controller, Electronic Controller, Controller</p>
	<p>Danfoss ECL Comfort 210 Electronic Controller [pdf] Installation Guide ECL Comfort 210, ECL Comfort 210 Electronic Controller, Electronic Controller, Controller</p>
	<p>Danfoss ECL Comfort 210 Electronic Controller [pdf] Installation Guide ECL Comfort 210, ECL Comfort 210 Electronic Controller, Electronic Controller, Controller</p>

References

- 
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