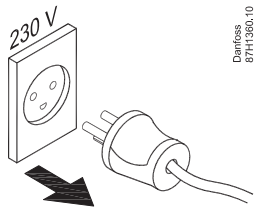
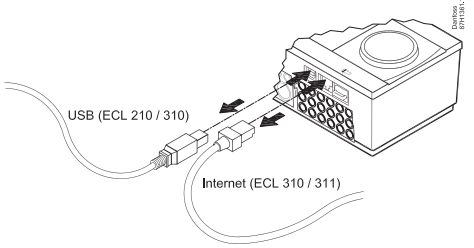
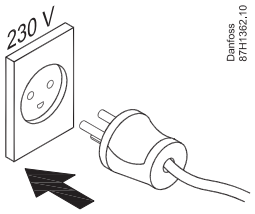
ENGINEERING
TOMORROW

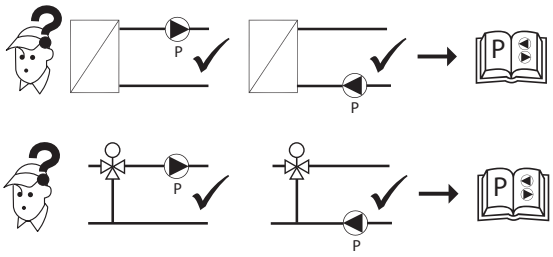
Installation Guide

ECL Comfort 310, A376 (code no. 087H3810)

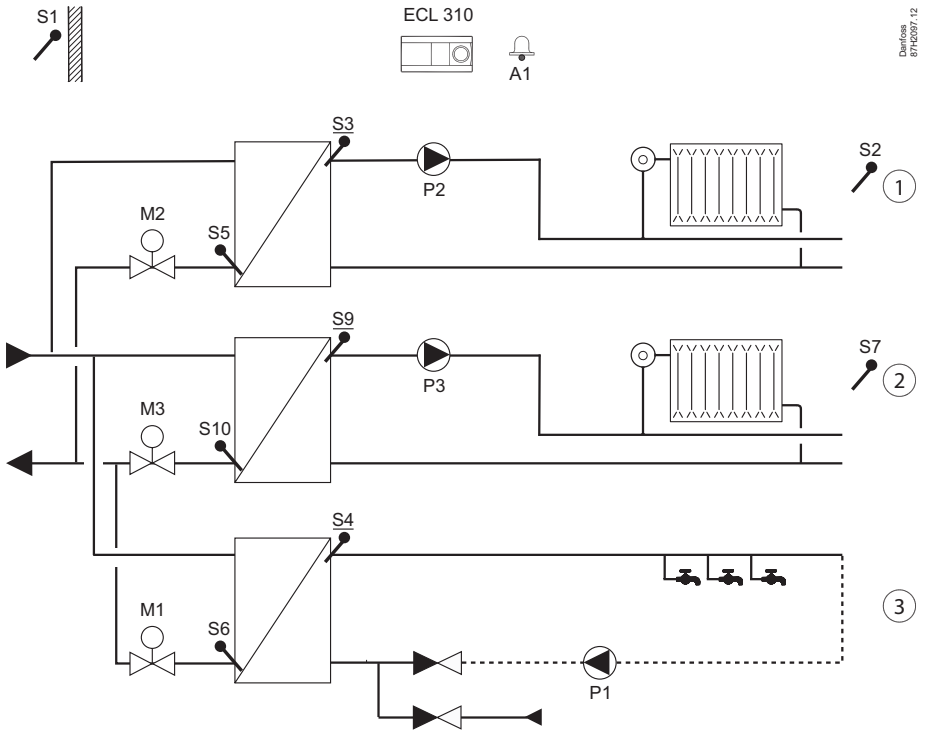






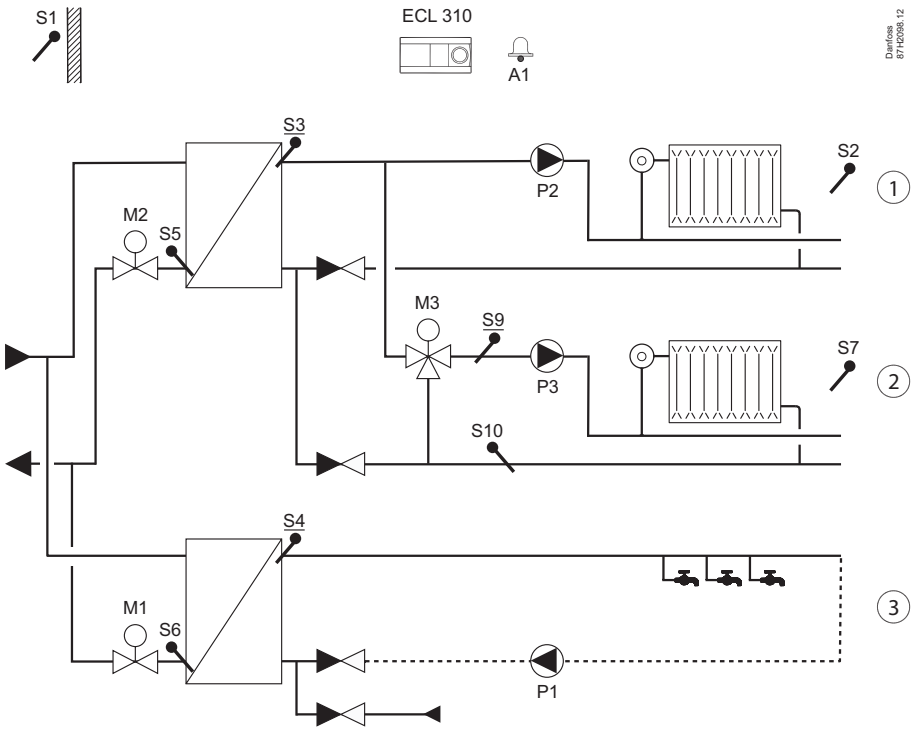


A376.1, ex. a:



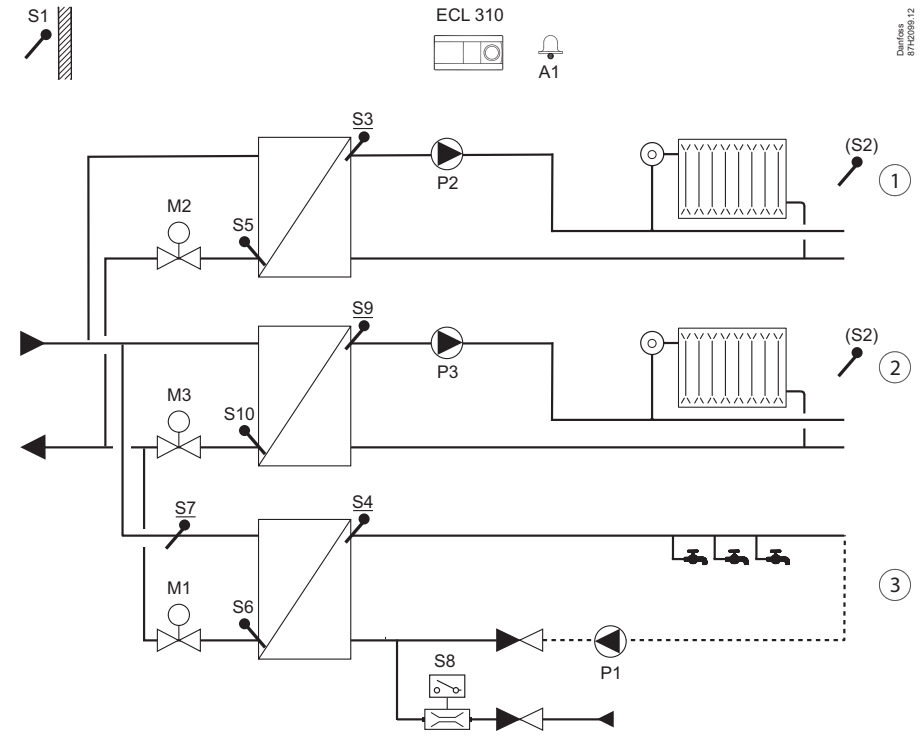
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

A376.1, ex. b:



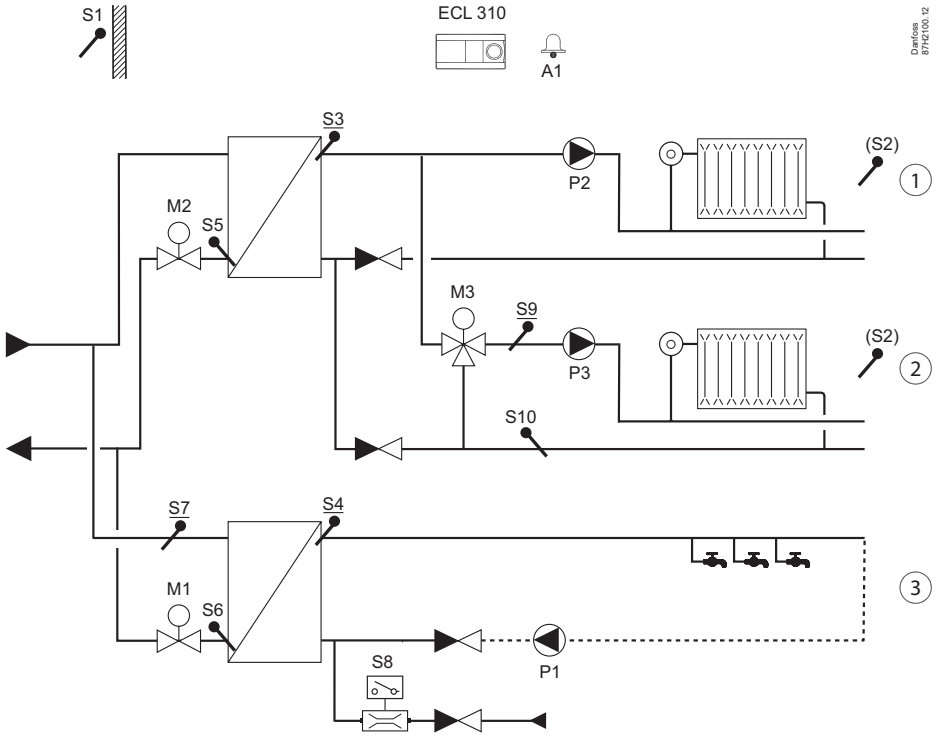
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

A376.2, ex. a:



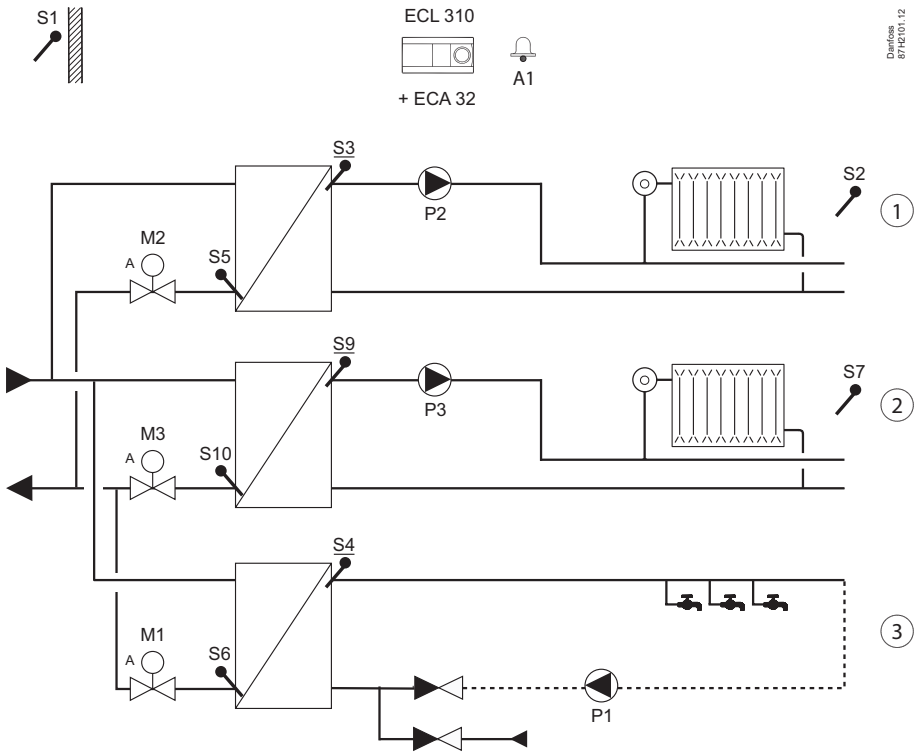
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V 

A376.2, ex. b:



ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

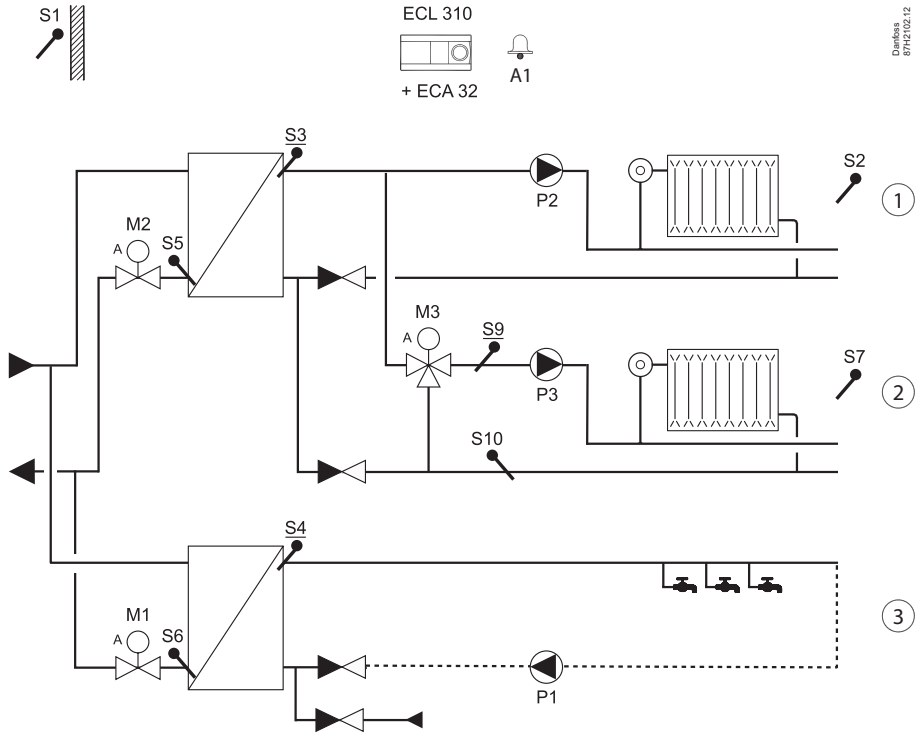
A376.3, ex. a:



ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

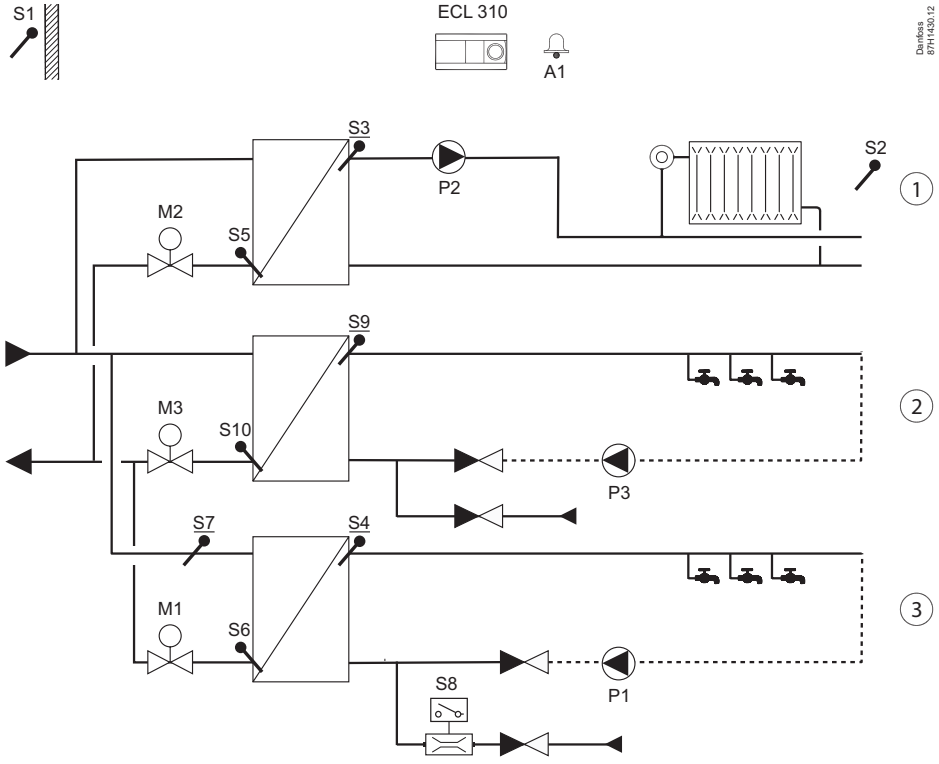
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A376.3, ex. b:



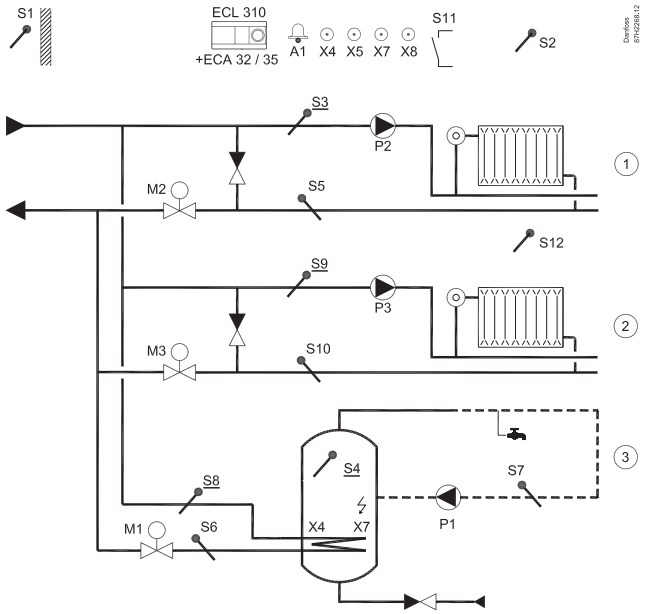
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

A376.4, ex. a:



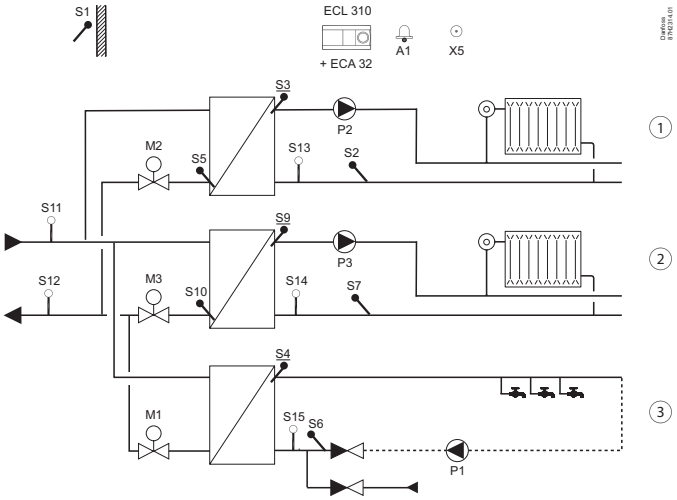
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V 

A376.5, ex. a:



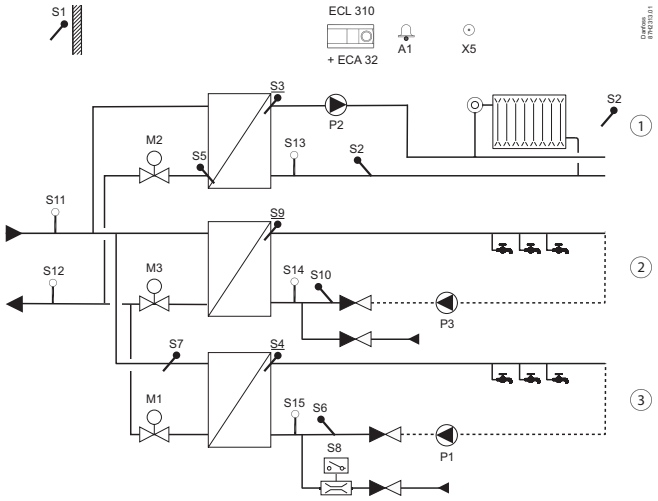
ECL 310 + ECA 32 / 35: M1, M2, M3 = 0 - 10 V

A376.7, ex. a:



ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

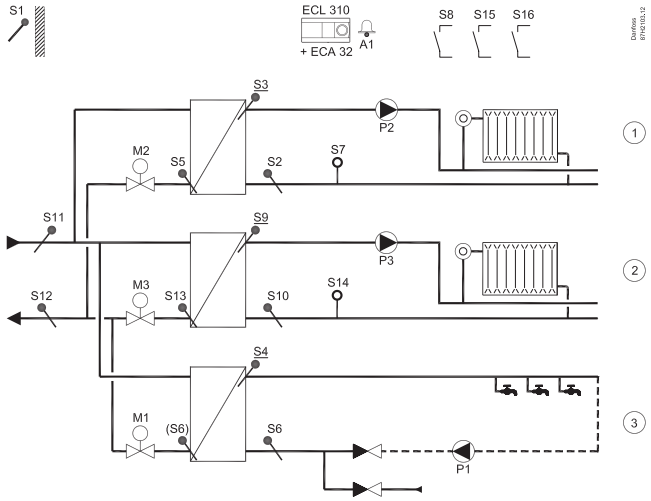
A376.8, ex. a:



ECL 310 + ECA 32 : M1, M2, M3 = 0 - 10 V

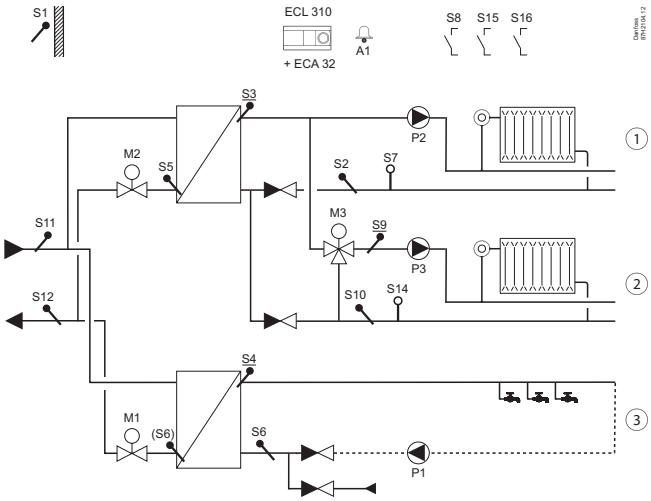
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A376.9, ex. a:



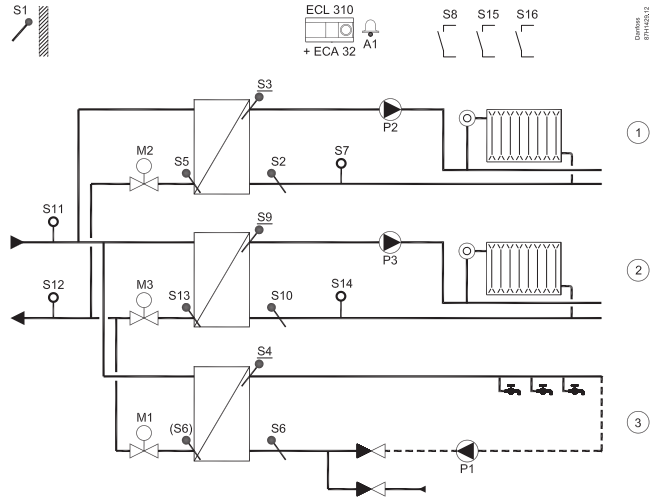
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

A376.9, ex. b:

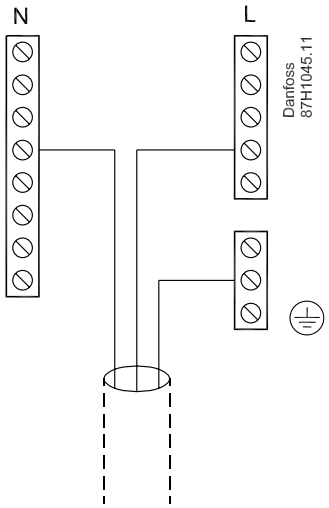


ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V

A376.10, ex. a:



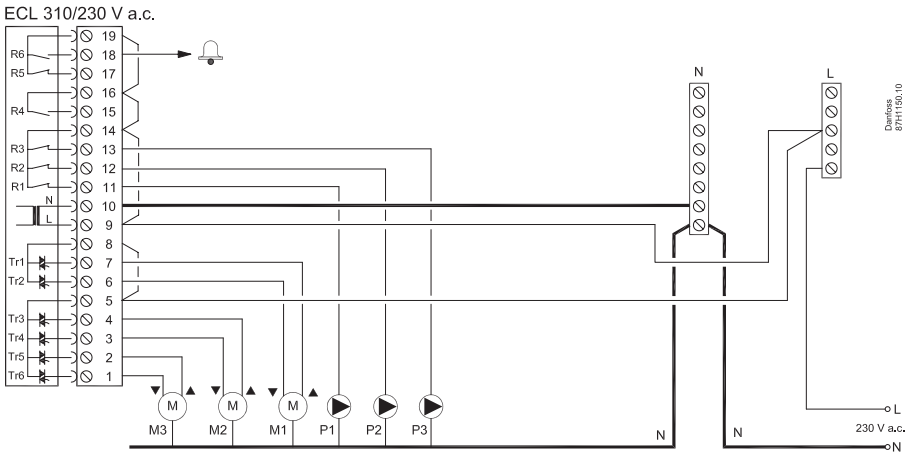
ECL 310 + ECA 32: M1, M2, M3 = 0 - 10 V



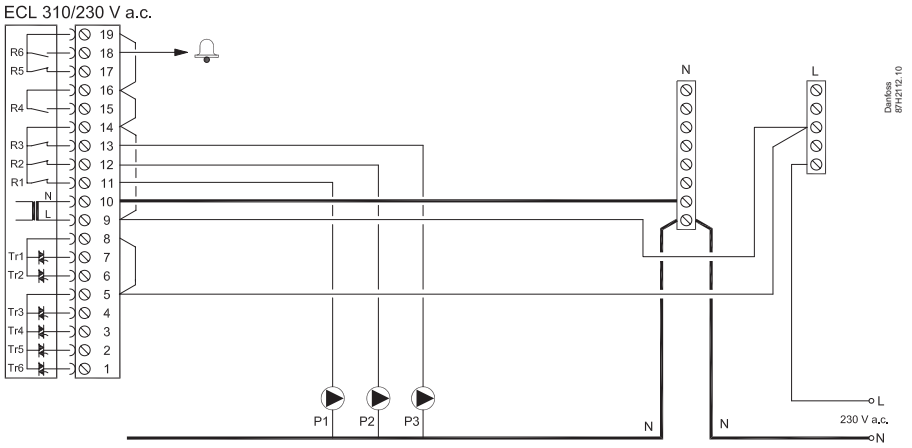
ECL Comfort 310:
230 V a.c.

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

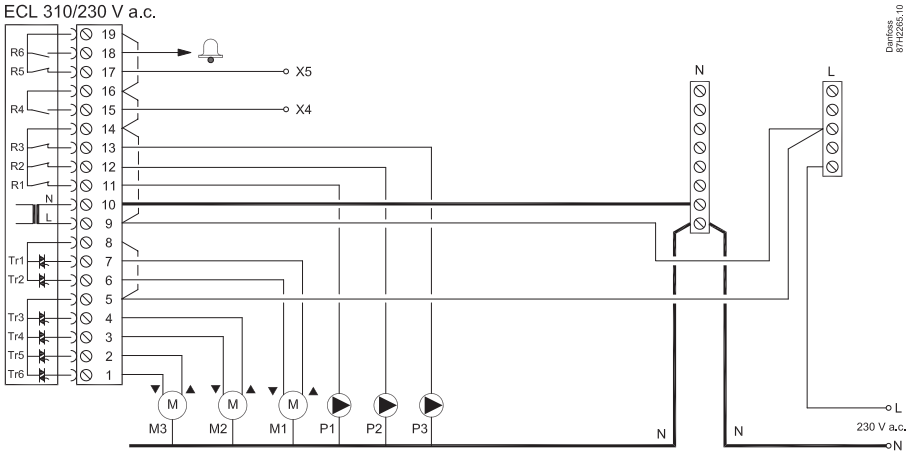
230 V a.c. - A376.1, A376.2, A376.4



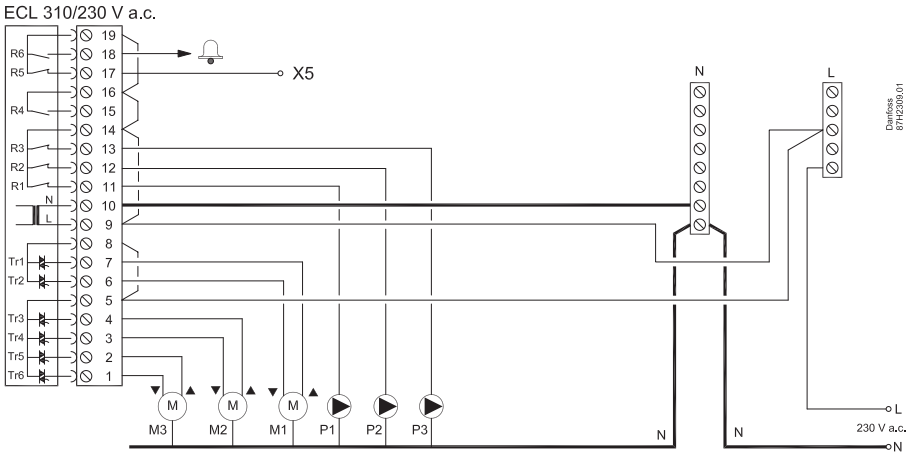
230 V a.c. - A376.3



230 V a.c. - A376.5

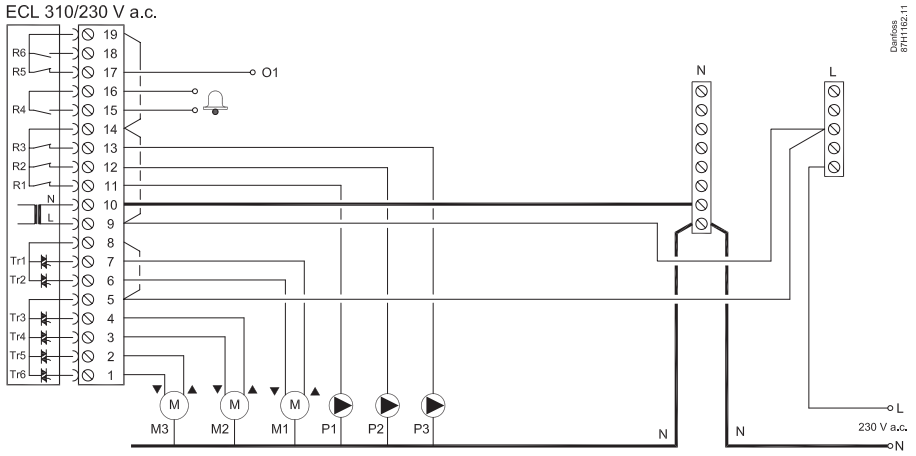


230 V a.c. - A376.7, A376.8

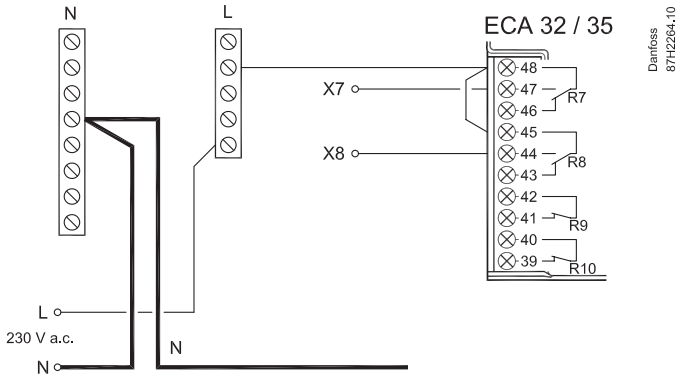


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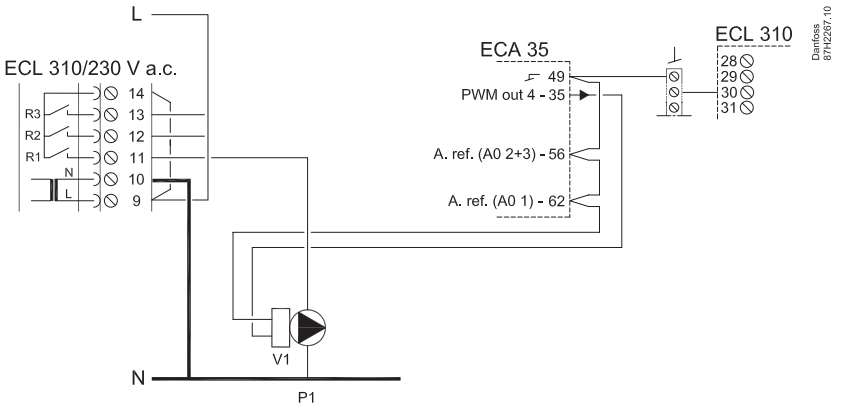
230 V a.c. - A376.9, A376.10



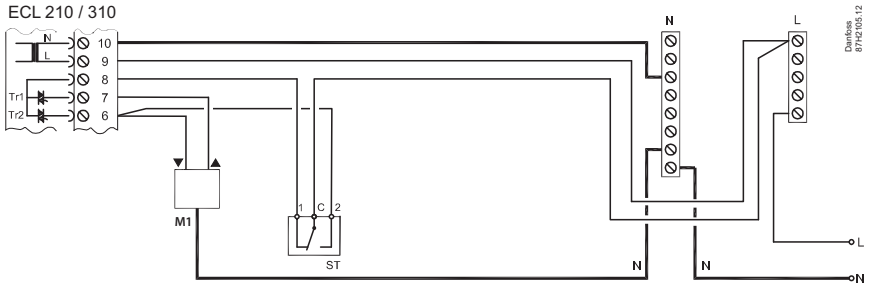
A376.5 - ECA32/35 X7, X8

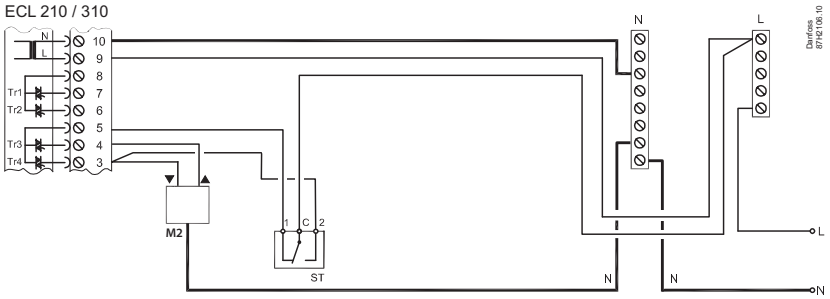


A376.5 - ECA35 - PWM V1

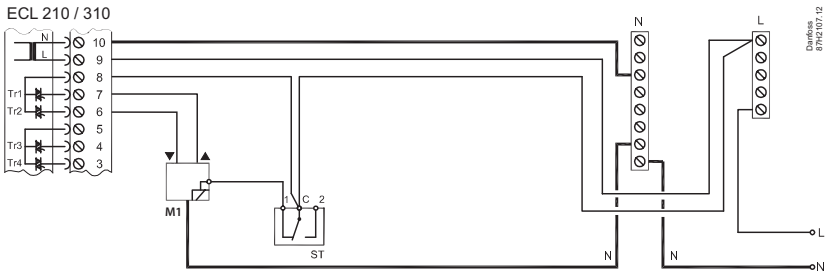


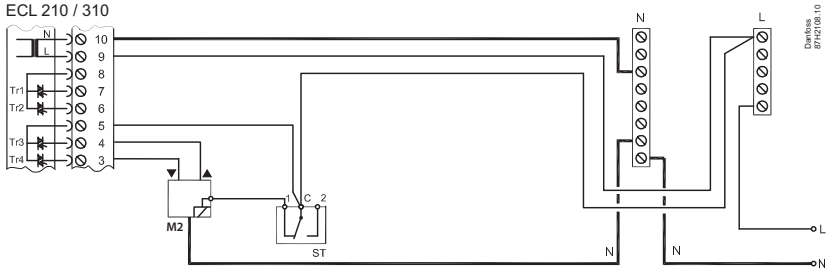
230 V a.c. / 24 V a.c. safety thermostat
1-step closing





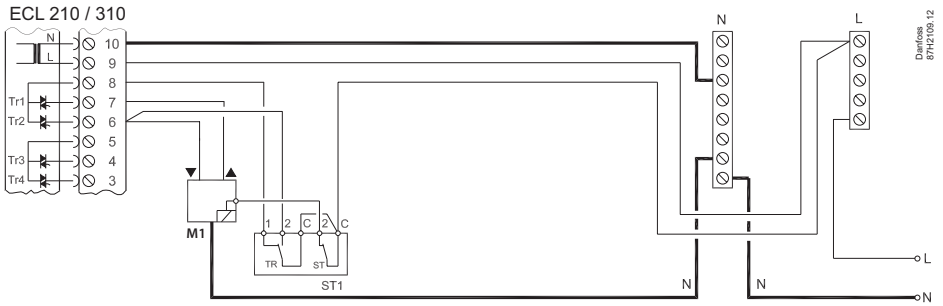
230 V a.c. / 24 V a.c. safety thermostat
1-step closing

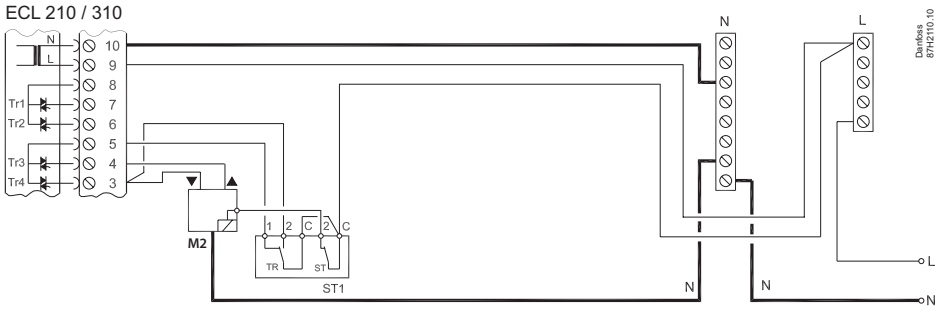




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230 V a.c. / 24 V a.c. safety thermostat
2-step closing

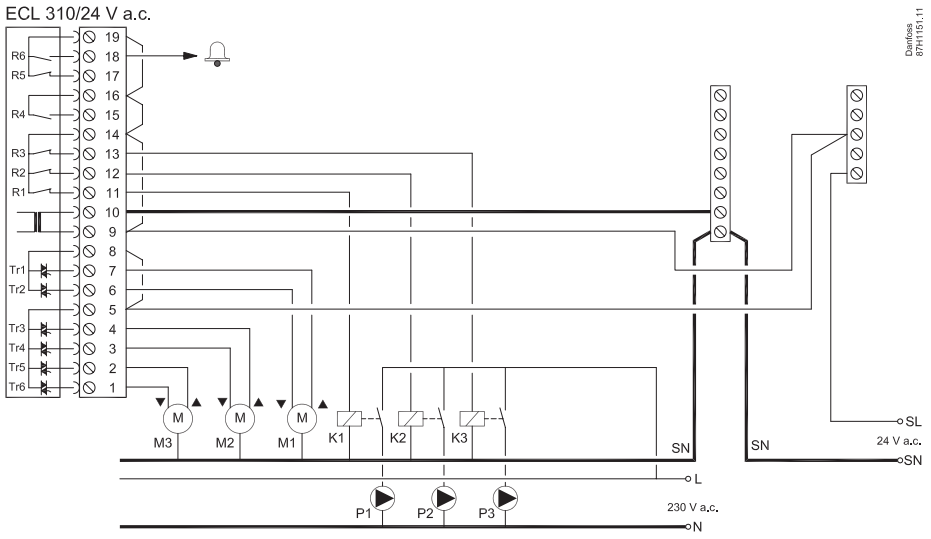




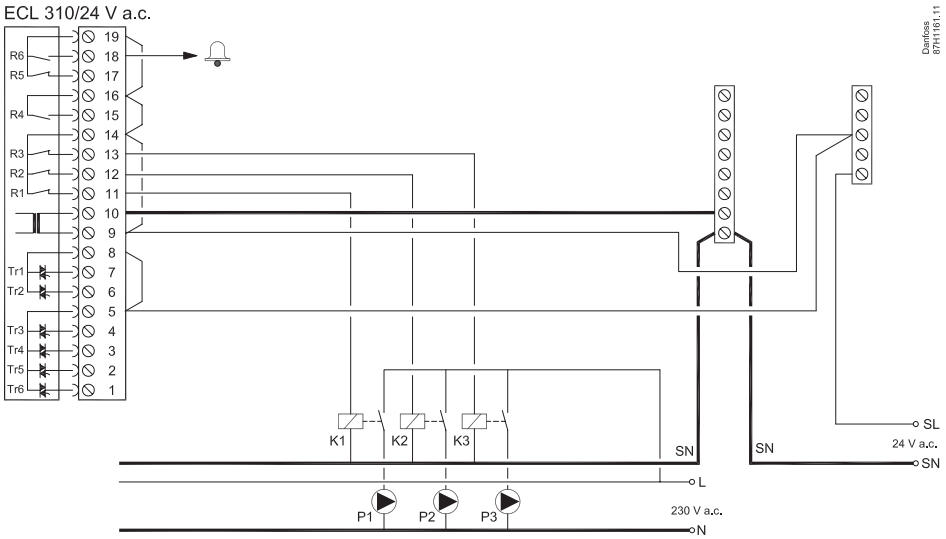
ECL Comfort 310:
24 V a.c.

R R	4 (2) A / 24 V a.c.
Tr	1 A / 24 V a.c.

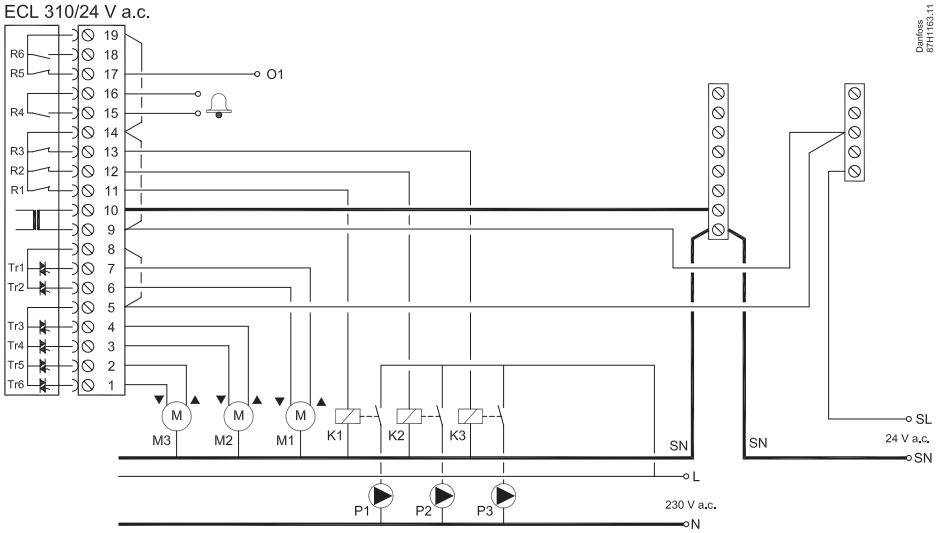
24 V a.c. - A376.1, A376.2, A376.4, A376.5



24 V a.c. - A376.3

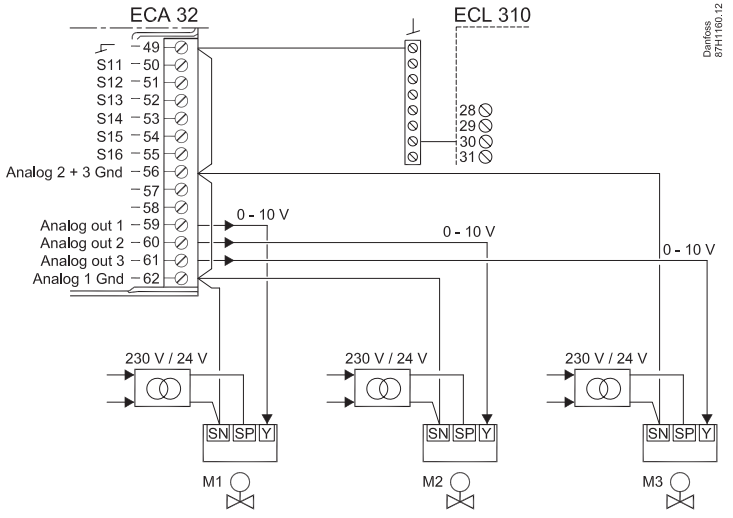


24 V a.c. - A376.9, A376.10



A376, ECA 32

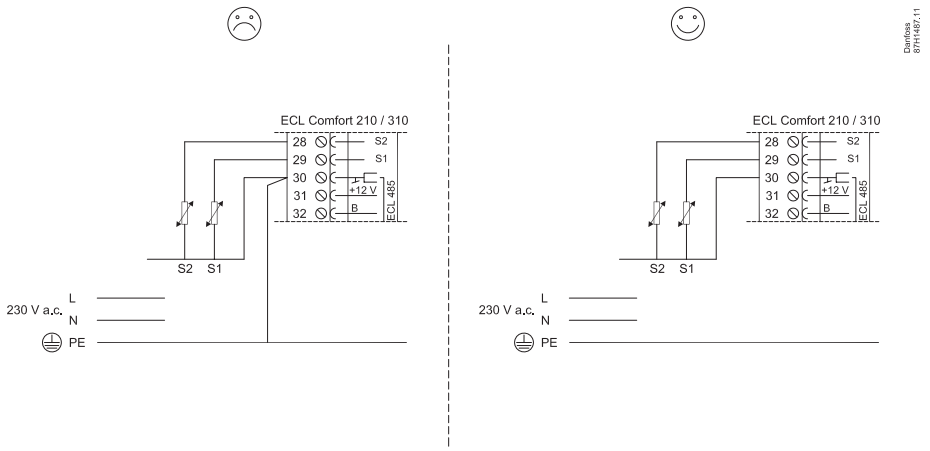
	0-10 V:		
	M1	**M2**	**M3**
A376.1	✓	✓	✓
A376.2	✓	✓	✓
A376.3	✓	✓	✓
A376.4	✓	✓	✓
A376.5	✓	✓	✓
A376.7	✓	✓	✓
A376.8	✓	✓	✓
A376.9	✓	✓	✓
A376.10	✓	✓	✓



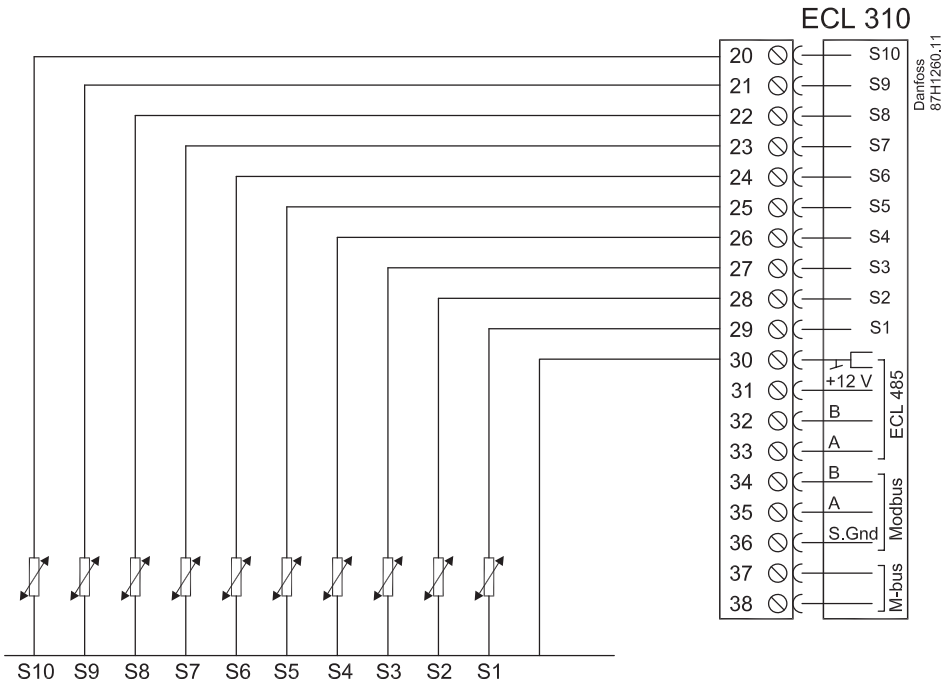
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ECL 310

Pt 1000 (1000 Ω / 0 °C)



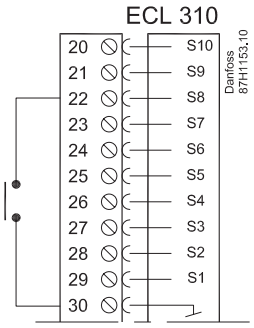
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
A376.1	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.2	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.3	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.4	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A376.7	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.8	✓	✓	✓	✓	✓	✓	✓		✓	✓
A376.9	✓	✓	✓	✓	✓	✓			✓	✓
A376.10	✓	✓	✓	✓	✓	✓			✓	✓



ECL 310



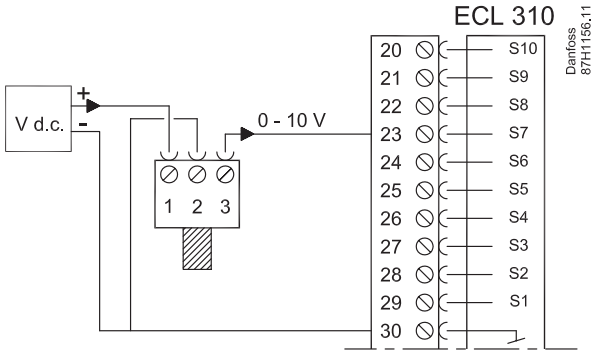
	S8
A376.1	
A376.2	✓
A376.3	
A376.4	✓
A376.5	
A376.7	✓
A376.8	✓
A376.9	✓
A376.10	✓



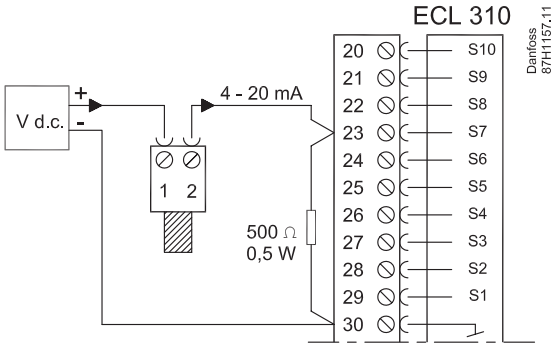
ECL 310



	S7
A376.1	
A376.2	
A376.3	
A376.4	
A376.5	
A376.9	✓
A376.10	✓



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



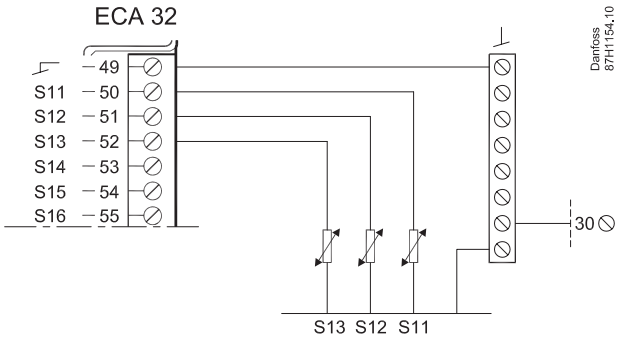
V d.c. = 12 - 24 V d.c.

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ECA 32

Pt 1000 (1000 Ω / 0 °C)

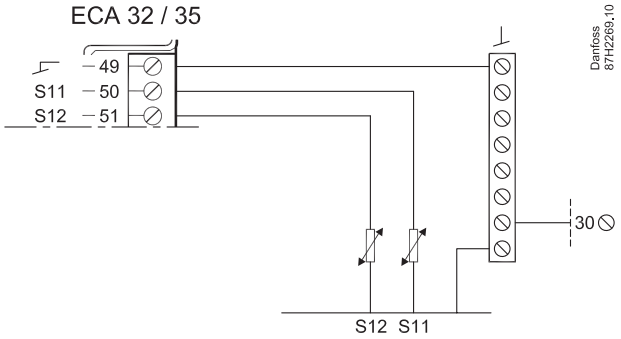
	S11	S12	S13
A376.1			
A376.2			
A376.3			
A376.4			
A376.5		✓	
A376.9	✓	✓	✓
A376.10			✓



ECA 35

Pt 1000 (1000 Ω / 0 °C)

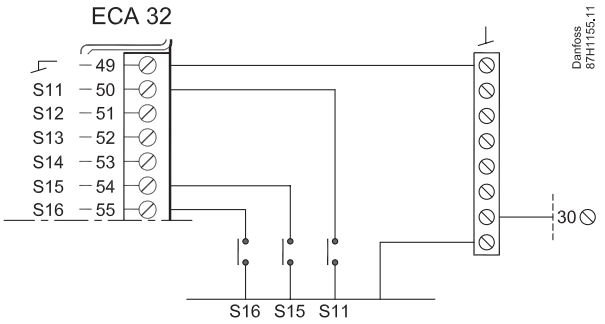
	S12
A376.1	
A376.2	
A376.3	
A376.4	
A376.5	✓
A376.9	
A376.10	



ECA32



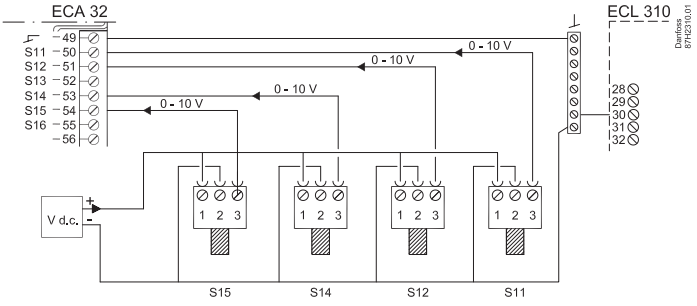
	S11	S15	S16
A376.1			
A376.2			
A376.3			
A376.4			
A376.5	✓		
A376.9		✓	✓
A376.10		✓	✓



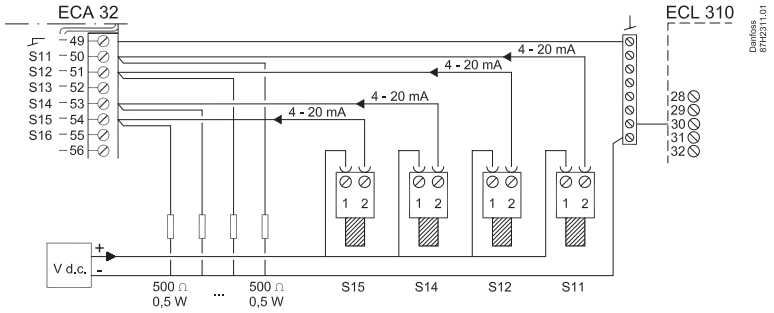
ECA32



	S11	S12	S13	S14
A376.1				
A376.2				
A376.3				
A376.4				
A376.5				
A376.7	✓	✓	✓	✓
A376.8	✓	✓	✓	✓
A376.9				✓
A376.10	✓	✓		✓

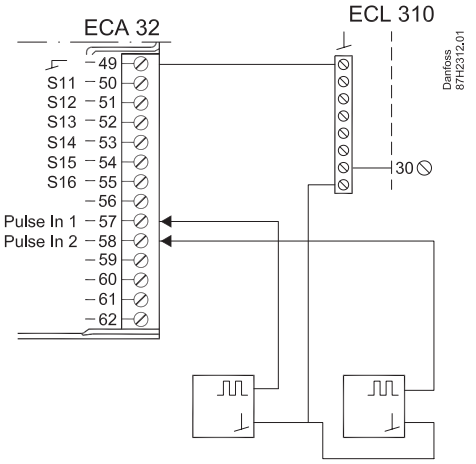


V d.c. = 12 - 24 V d.c.

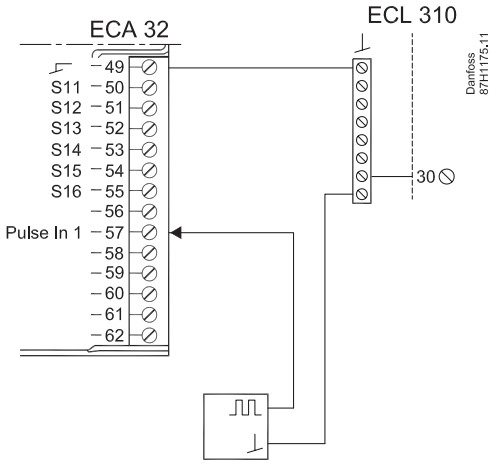


V d.c. = 12 - 24 V d.c.

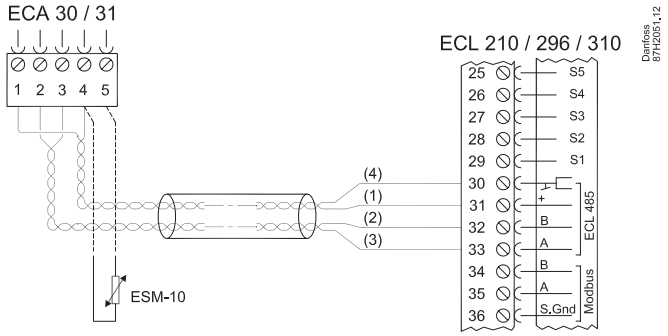
A376.7, A376.8



A376.9, A376.10

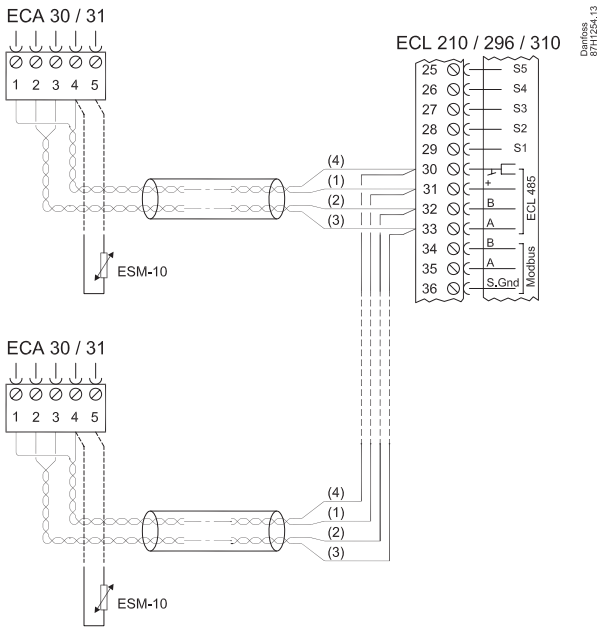


ECA 30 / 31

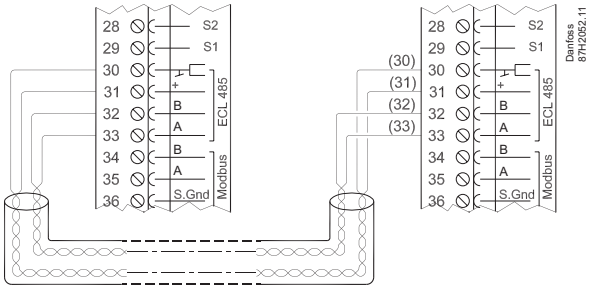


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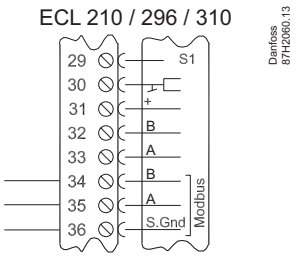
ECA 30 / 31



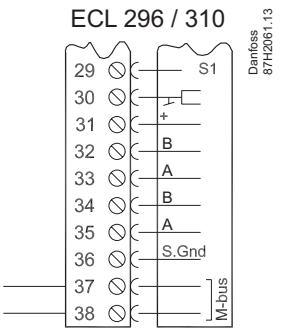
Master / slave



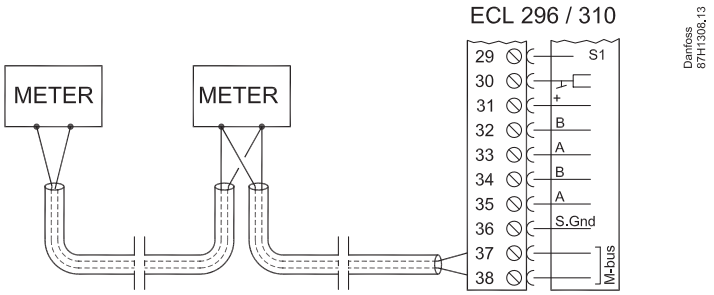
Modbus



M-bus

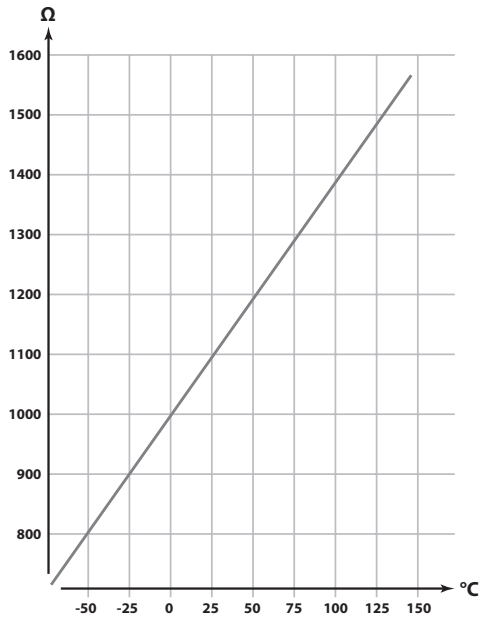


M-bus

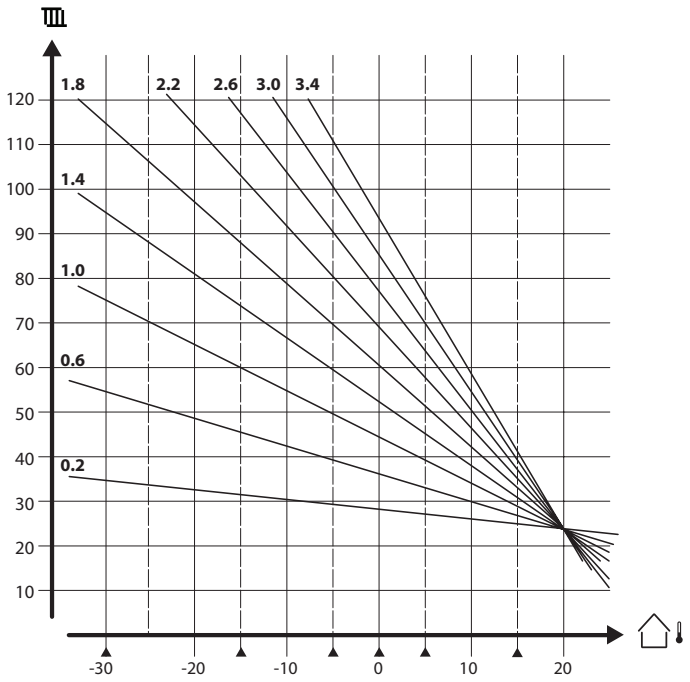


Pt 1000 (IEC 751B, 1000 Ω / 0 °C)

°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

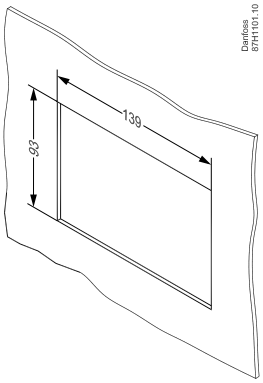


Heat curves

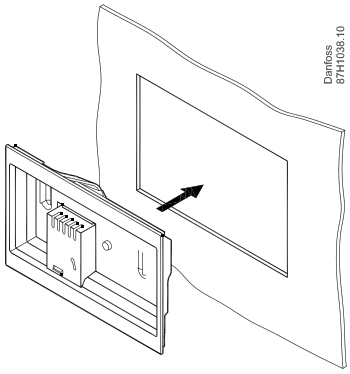


ECA 30

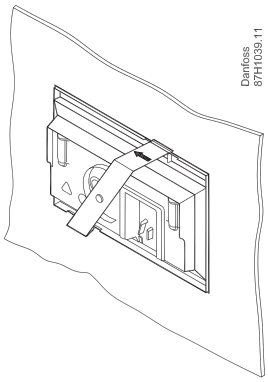
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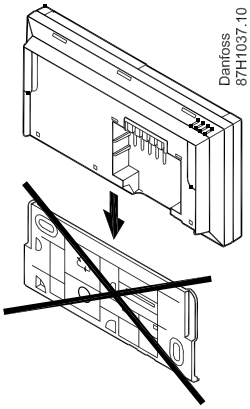
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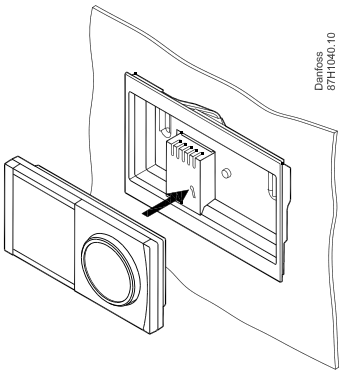
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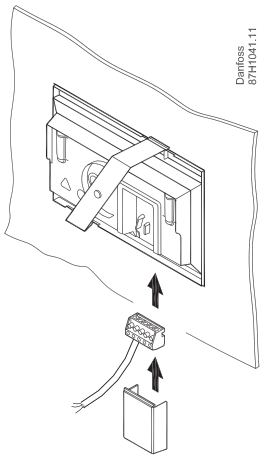
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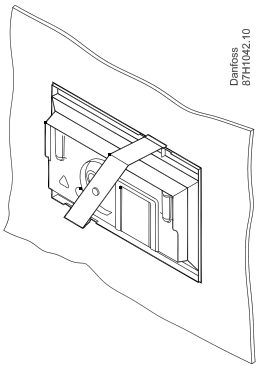
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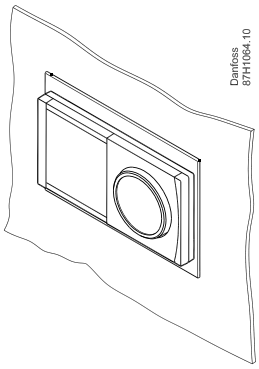
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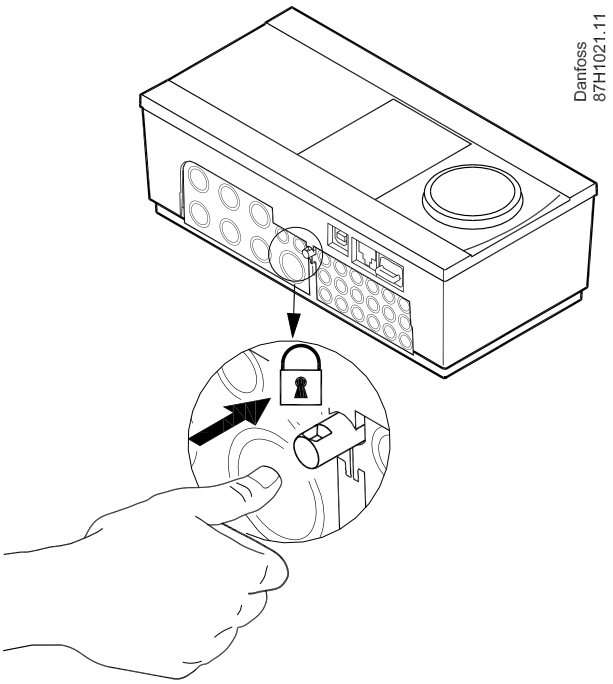
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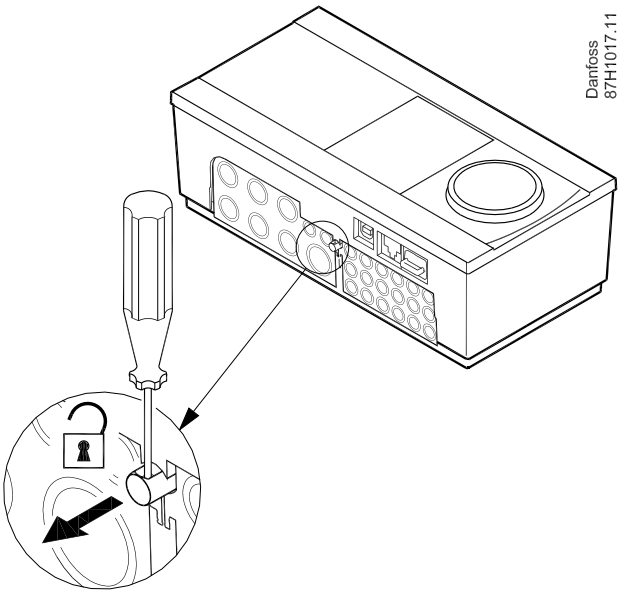


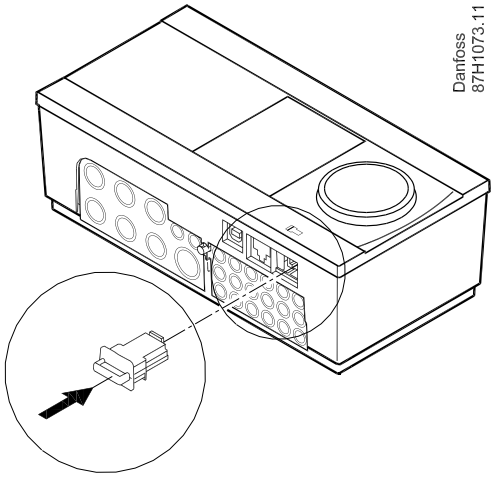
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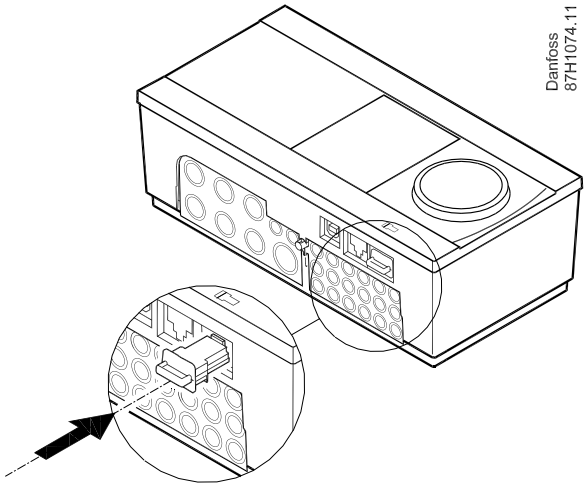


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