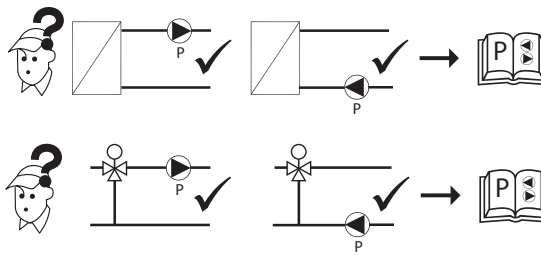
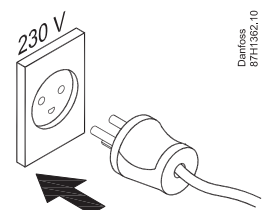
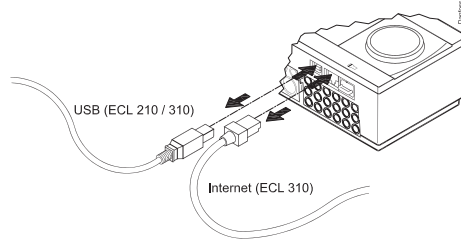
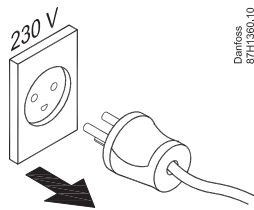
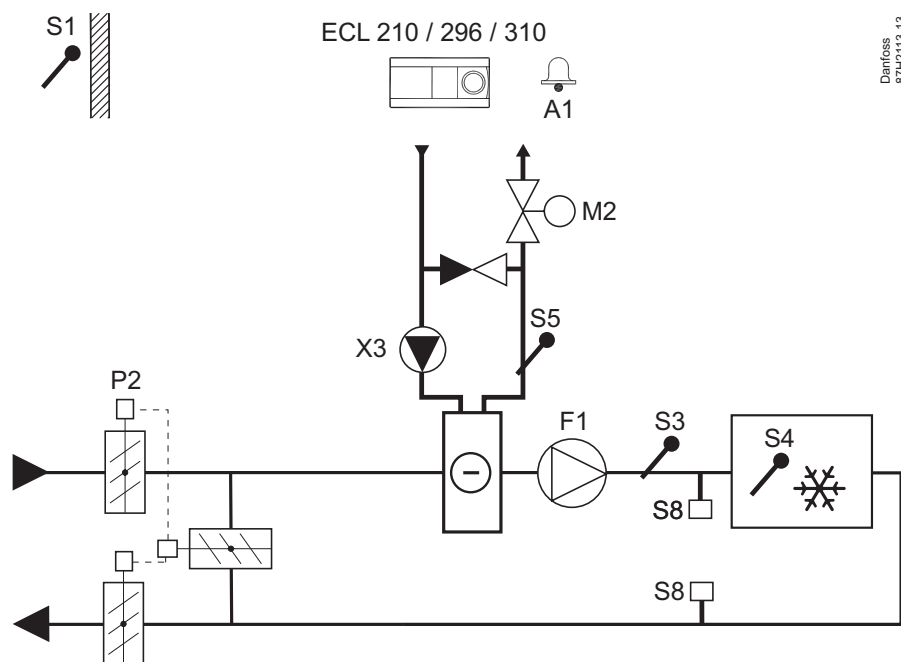


Installation Guide

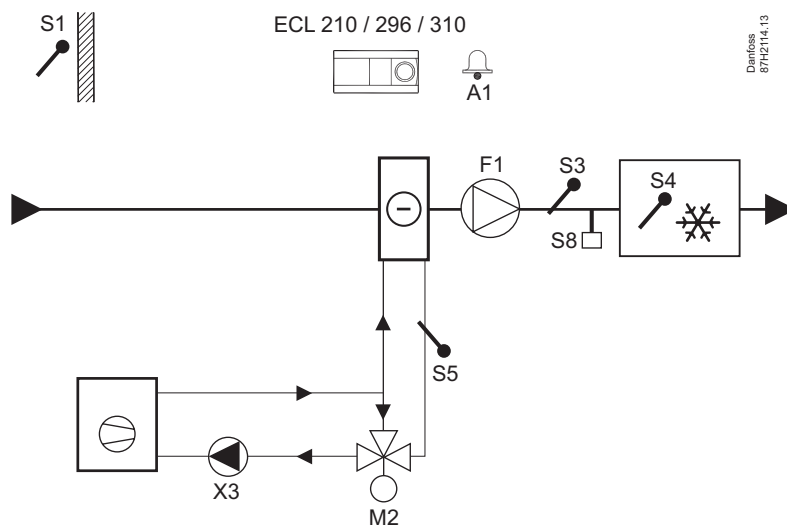
ECL Comfort 210 / 296 / 310, A214 / A314 (code no. 087H3811)



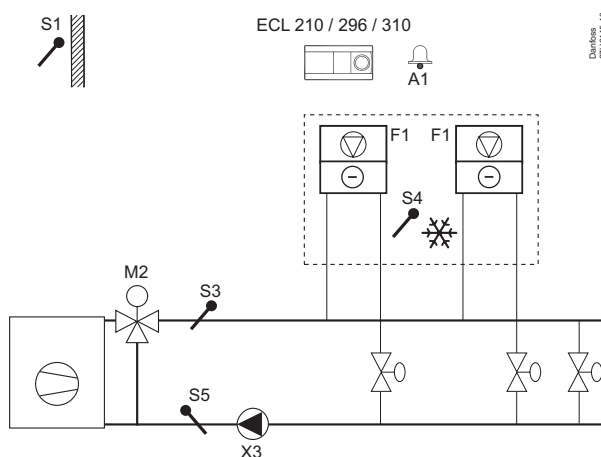
A214.1, ex. a:



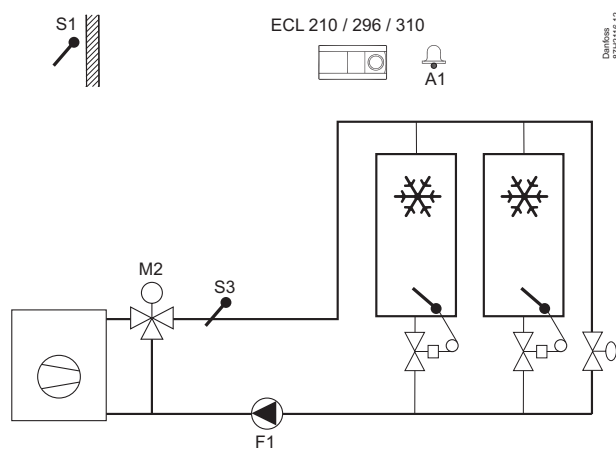
A214.1 (ex. b):



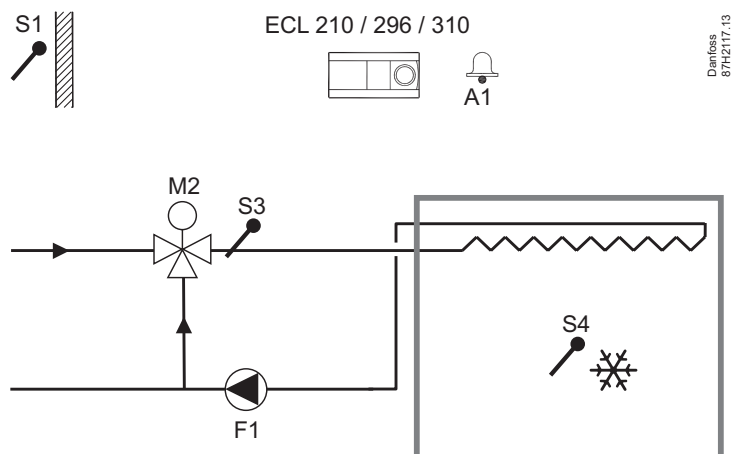
A214.1 (ex. c):



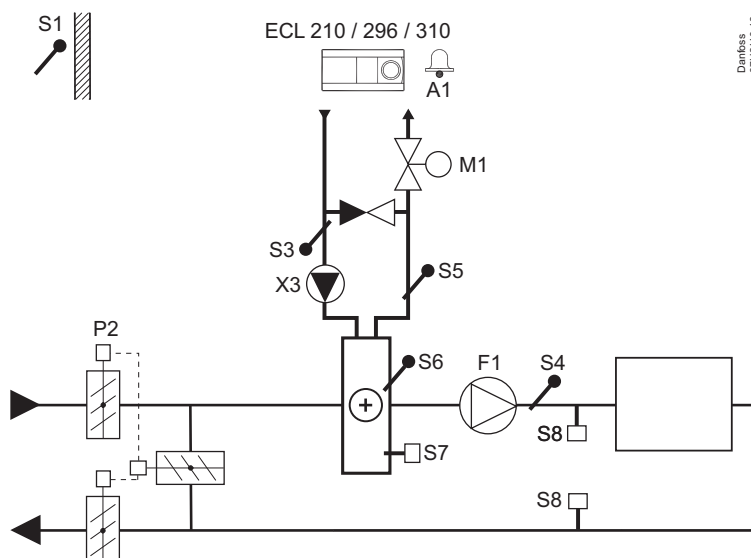
A214.1 (ex. d):



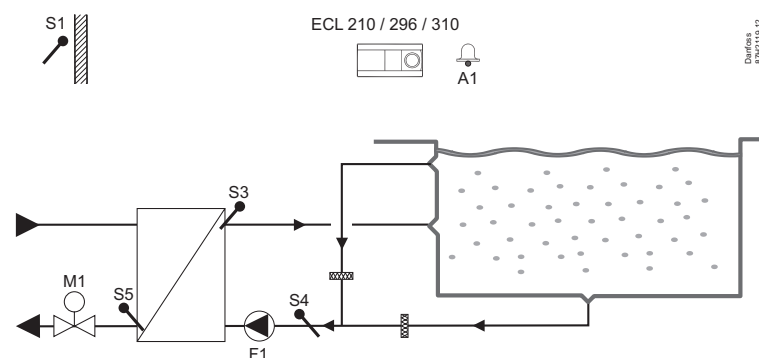
214.1 (ex. e):



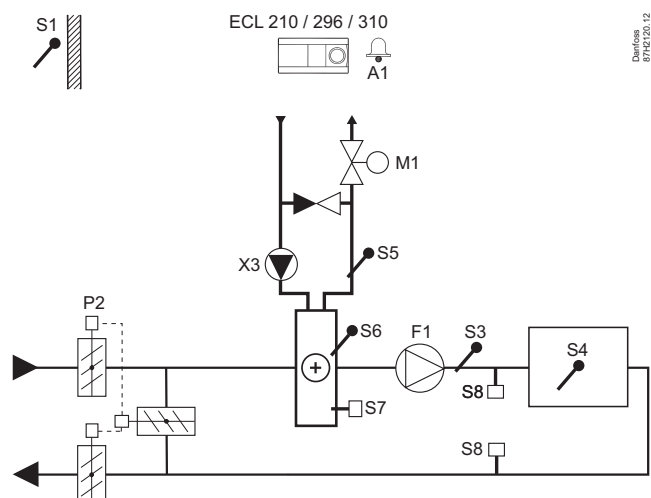
A214.2 (ex. a):



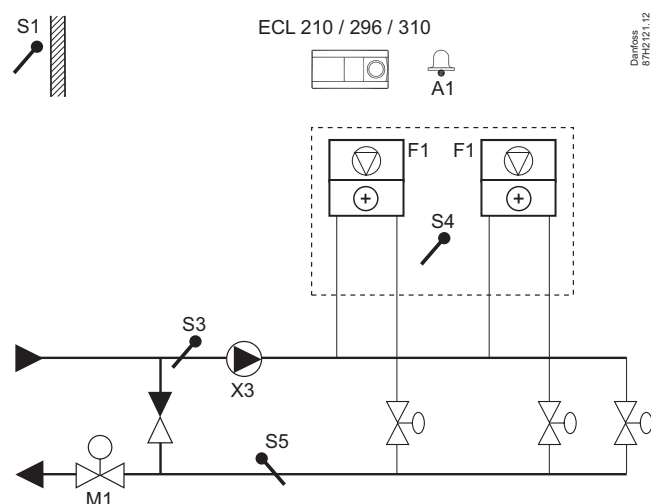
A214.2 (ex. b):



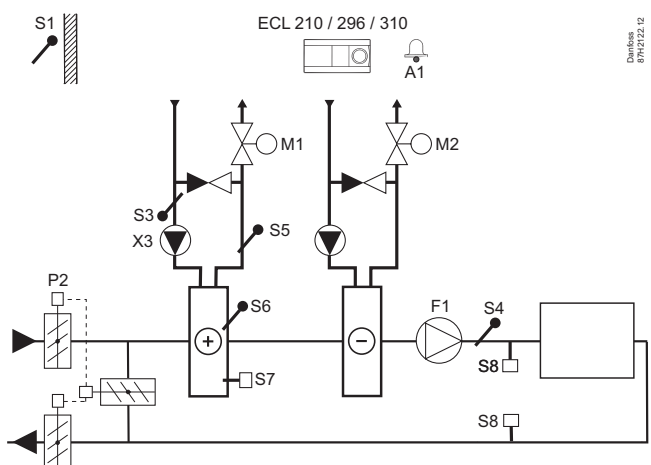
A214.3 (ex. a:)



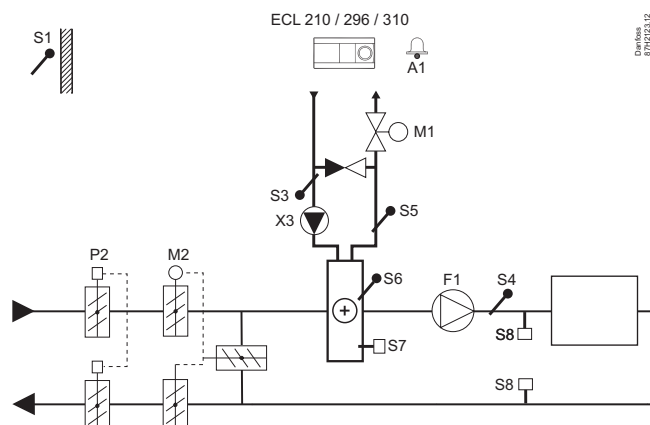
A214.3 (ex. b:)



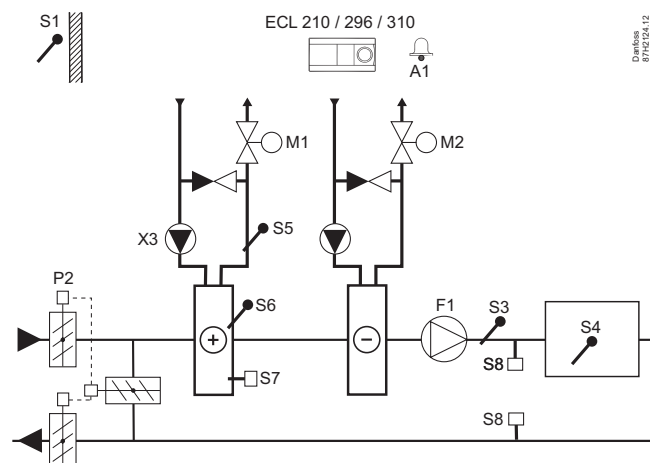
A214.4 (ex. a:)



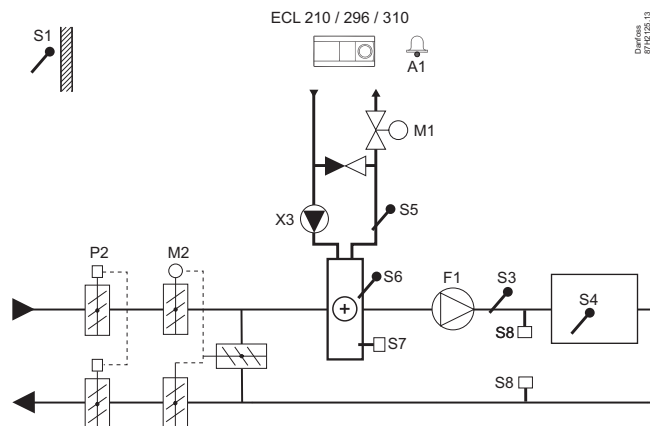
A214.4 (ex. b:)



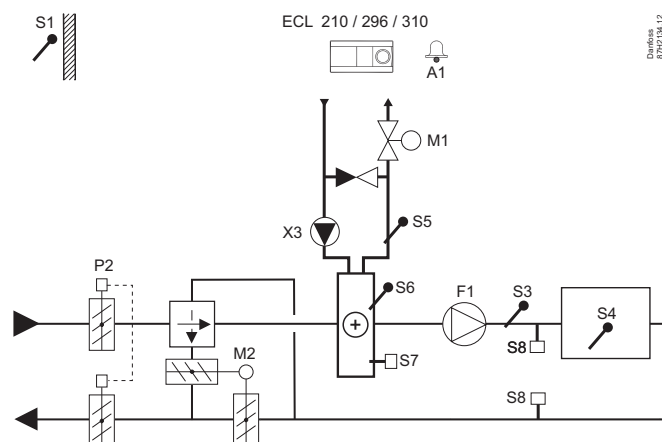
A214.5 (ex. a:)



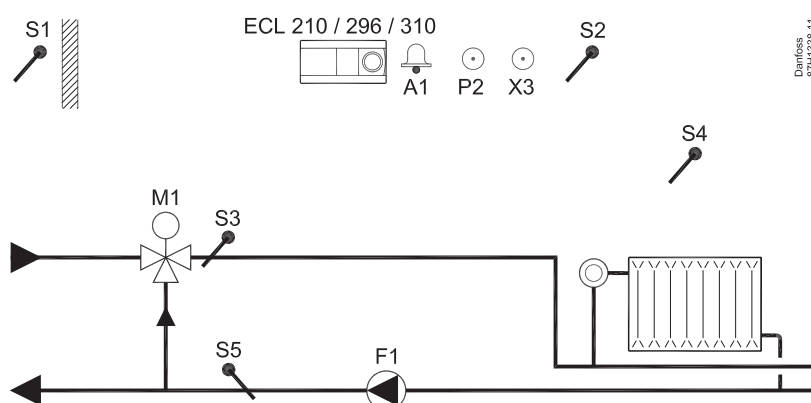
A214.5 (ex. b:)



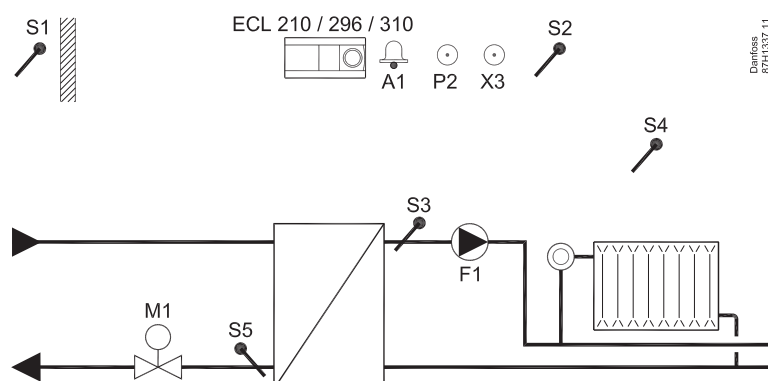
A214.5 (ex. c:)



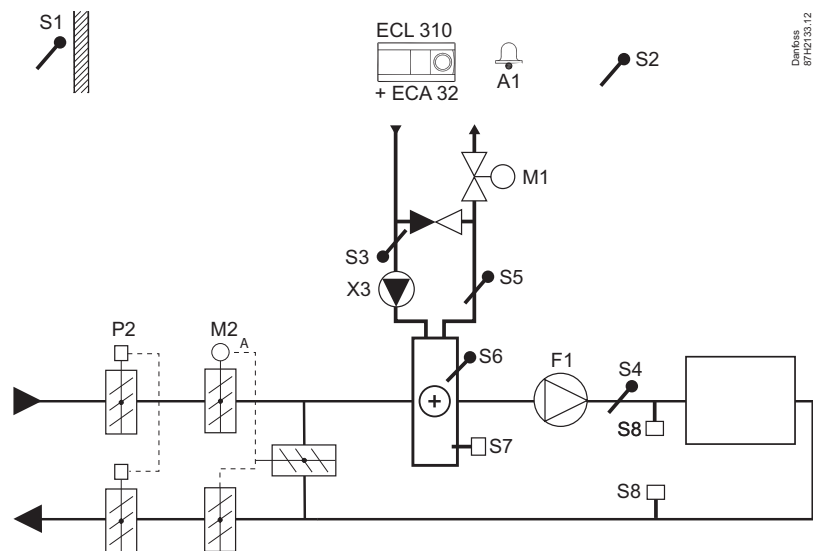
A214.6 (ex. a:)



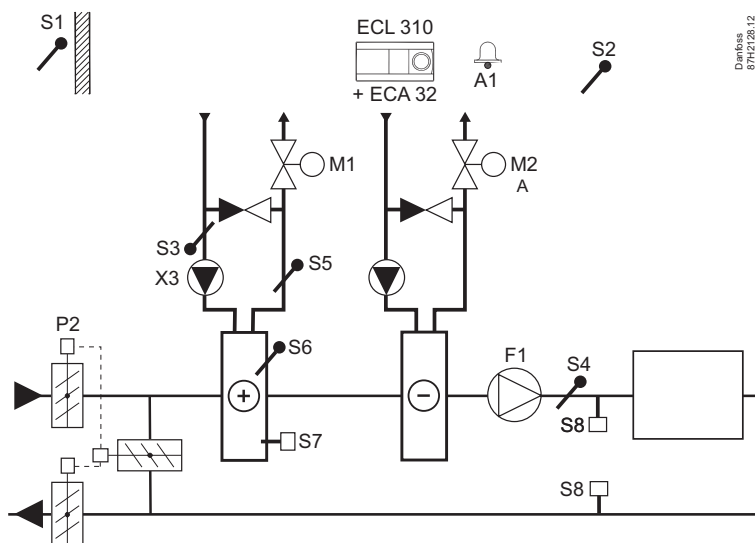
A214.6 (ex. b:)



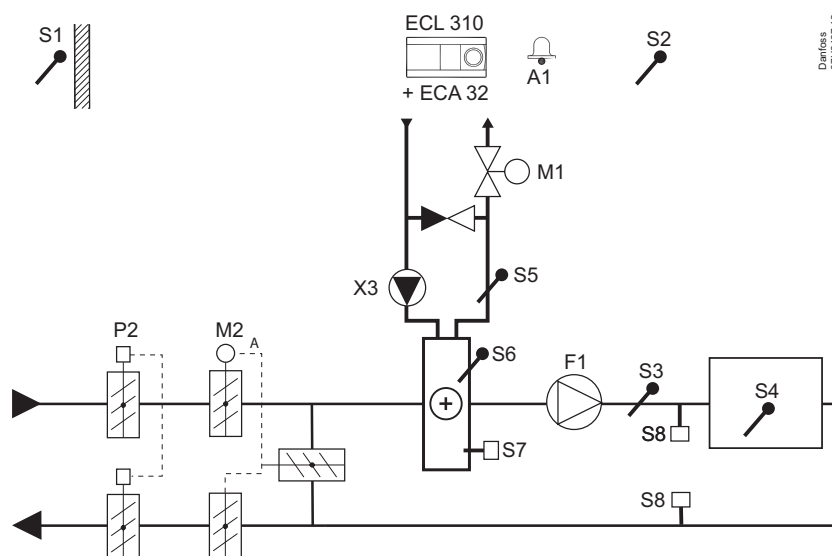
A314.1 (ex. a:)



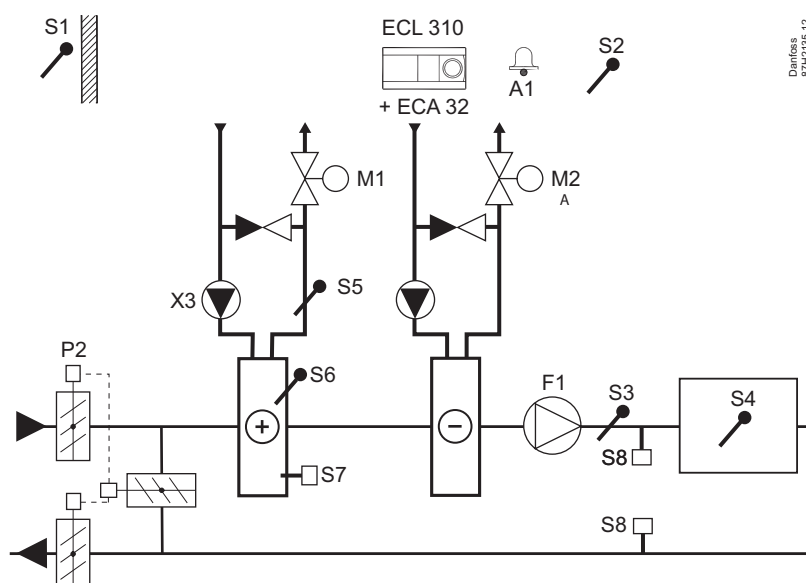
A314.1 (ex. b:)



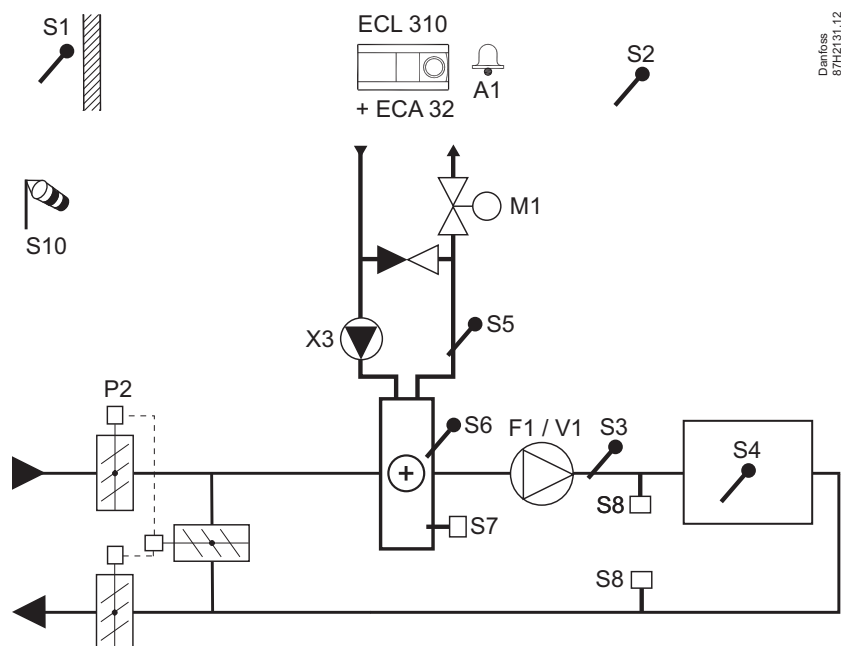
A314.2 (ex. a:)



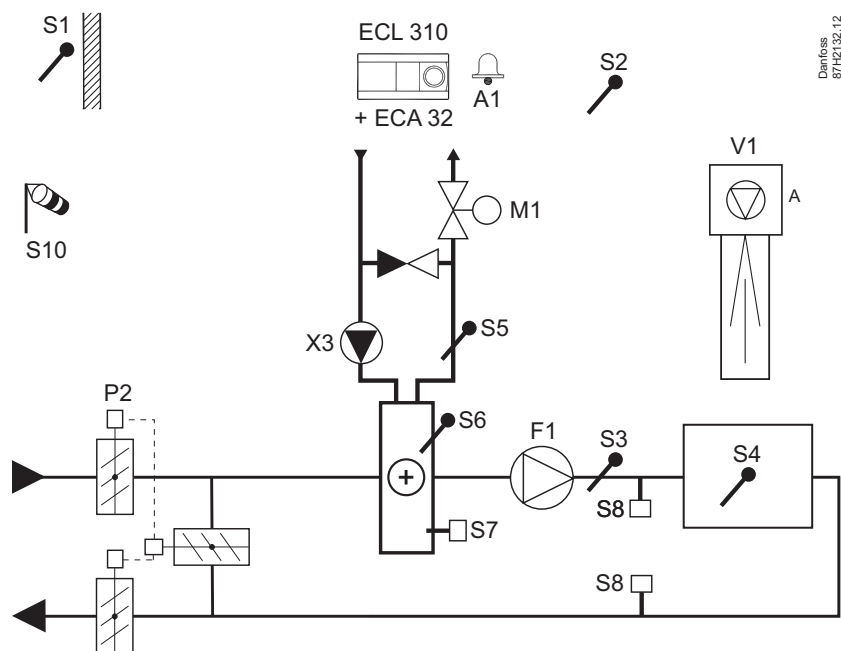
A314.2 (ex. b:)



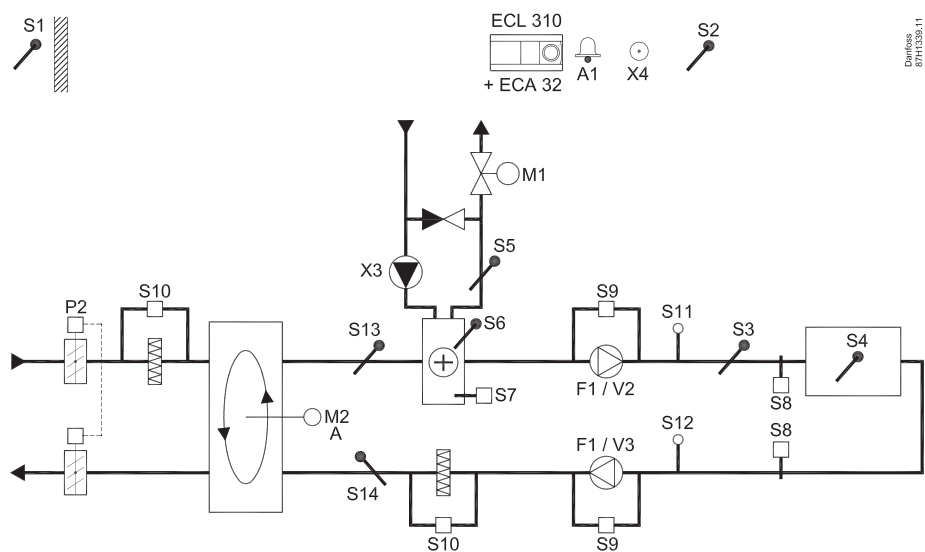
A314.3 (ex. a:)



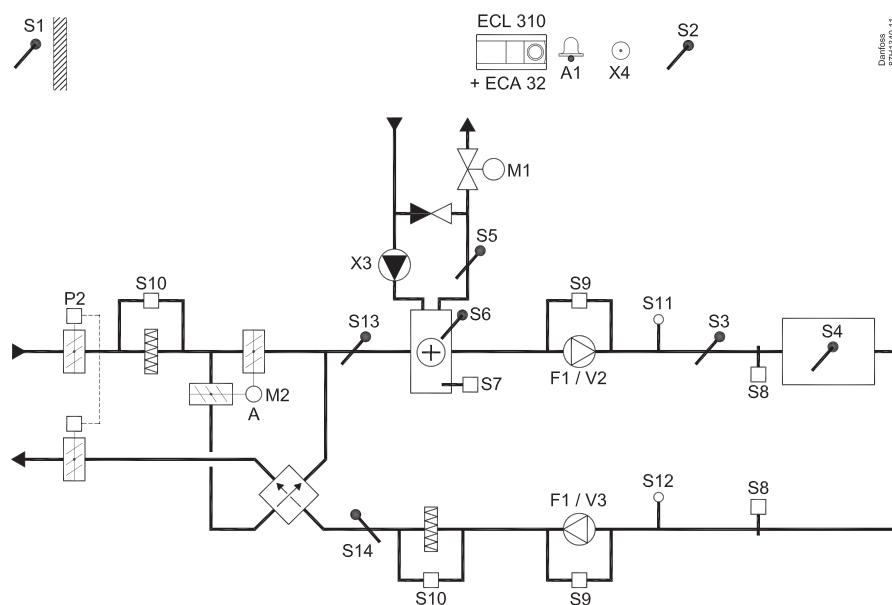
A314.3 (ex. b:)



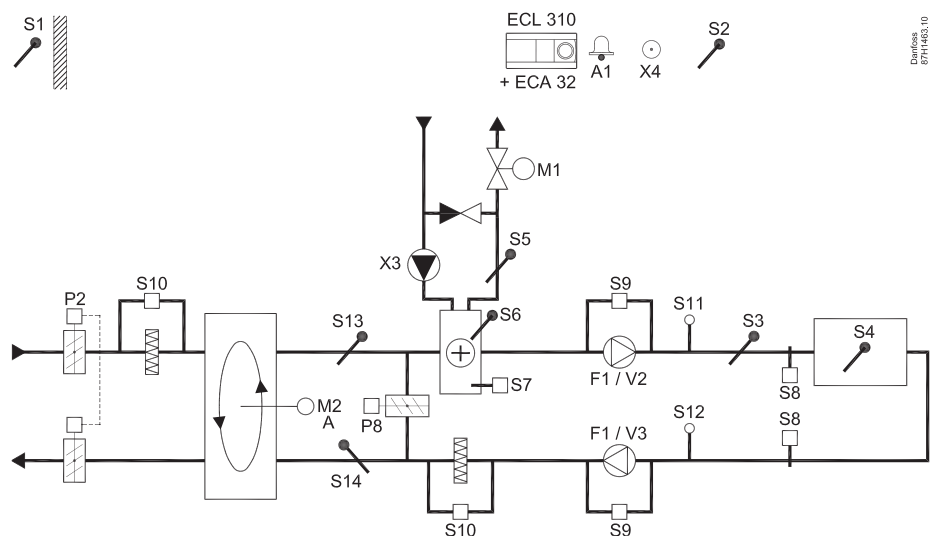
A314.4 (ex. a:)



A314.4 (ex. b:)

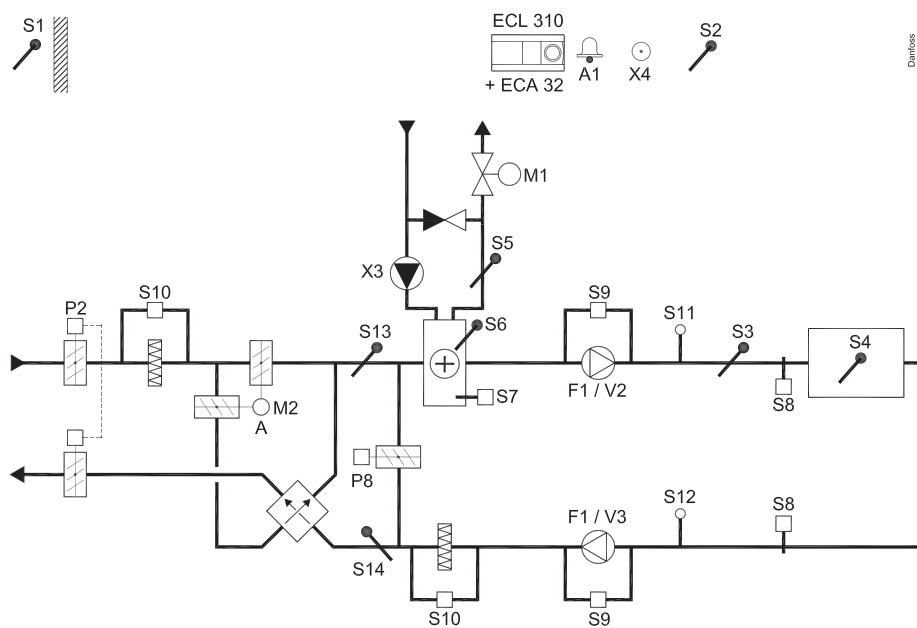


A314.4 (ex. c:)



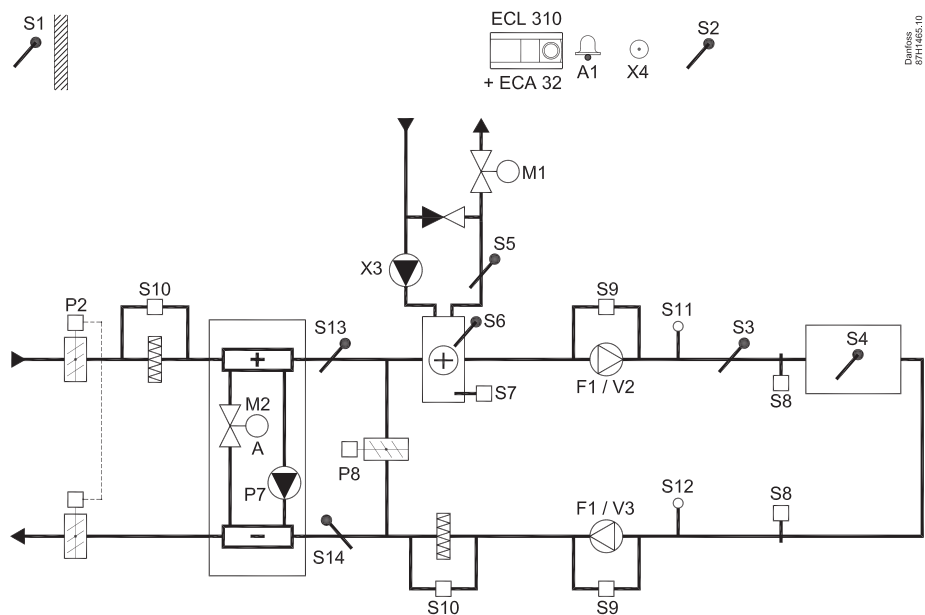
Danfoss
67111465.10

A314.4 (ex. d:)

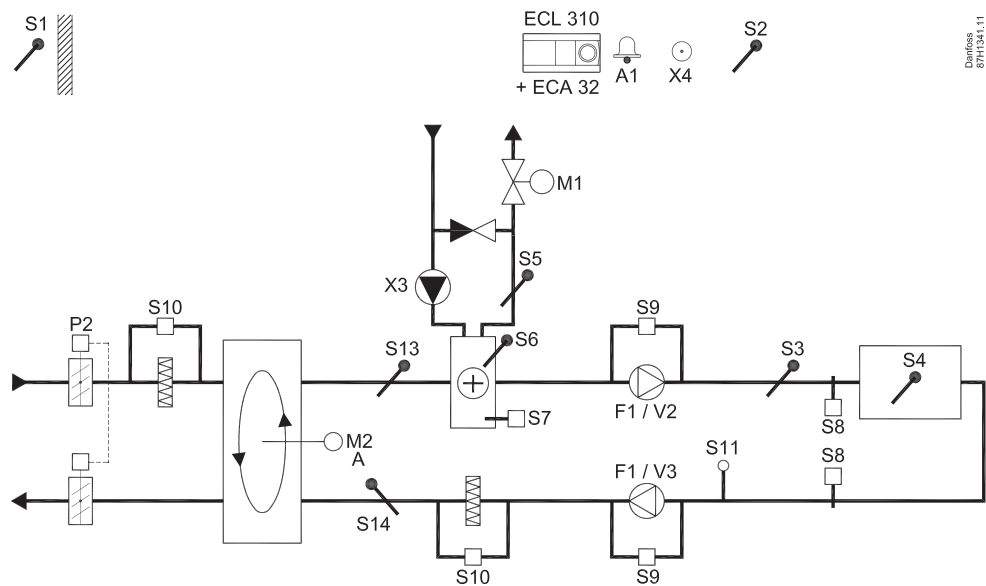


Danfoss
67111465.10

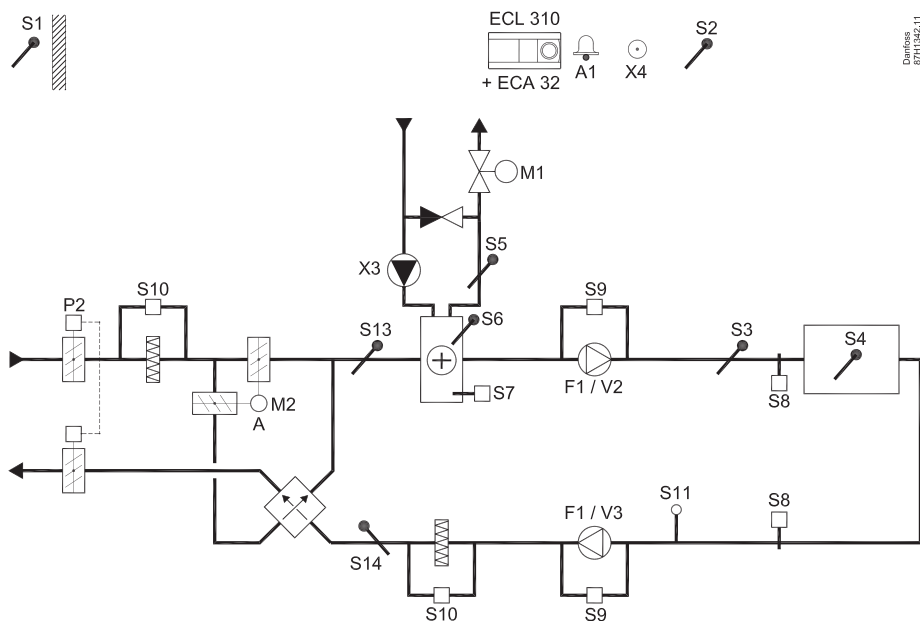
A314.4 (ex. e:)



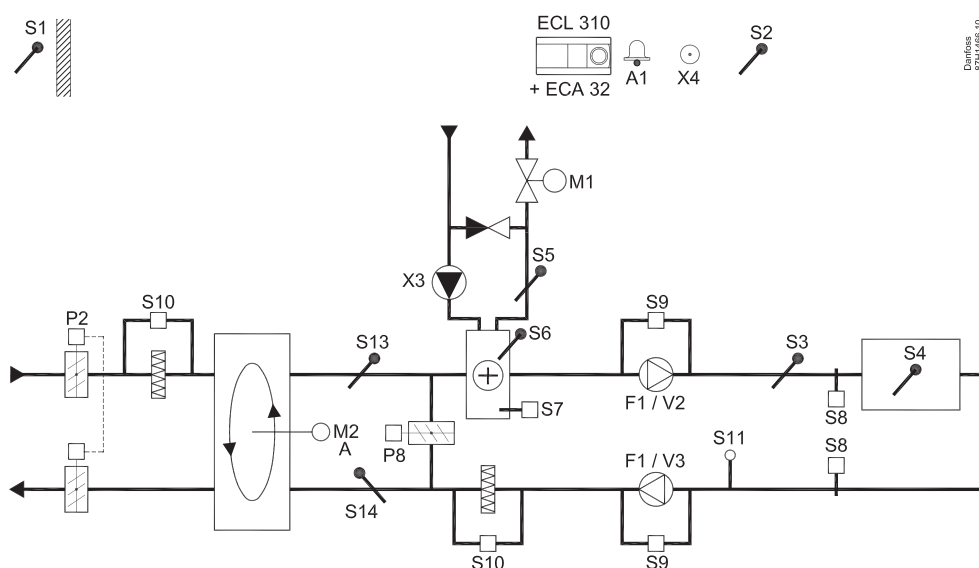
A314.5 (ex. a:)



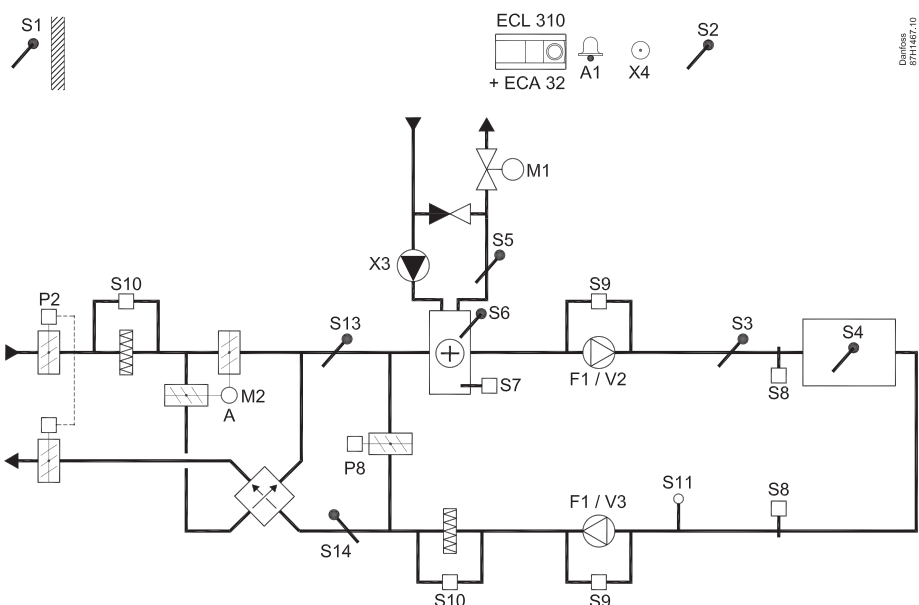
A314.5 (ex. b:)



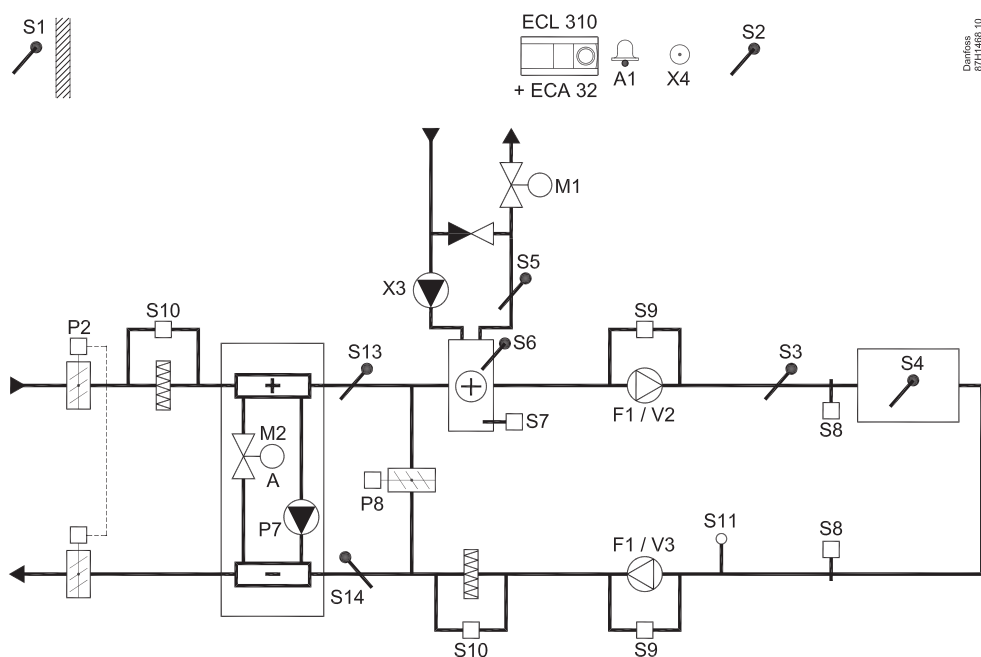
A314.5 (ex. c:)



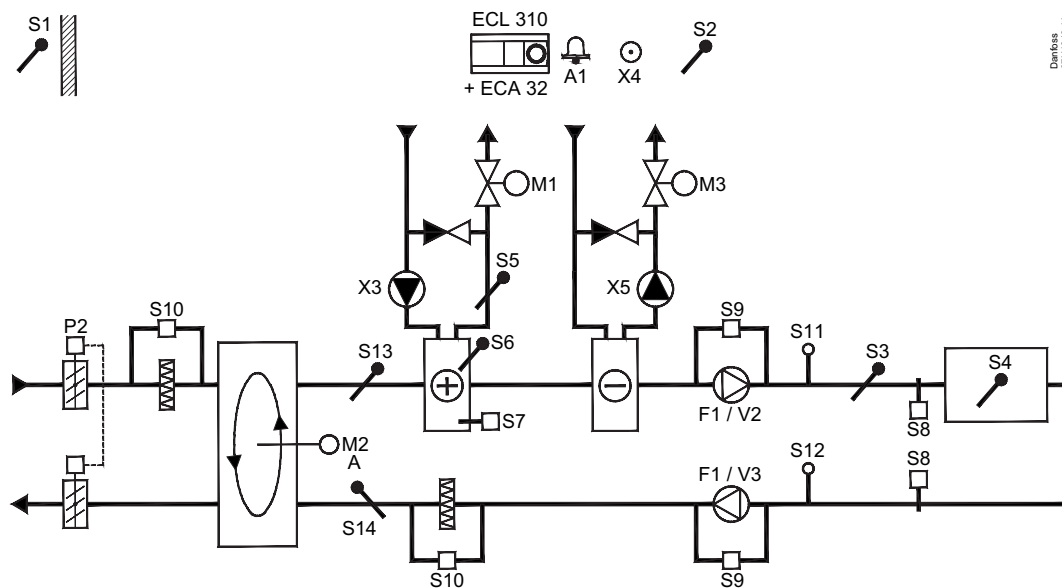
A314.5 (ex. d):



A314.5 (ex. e):

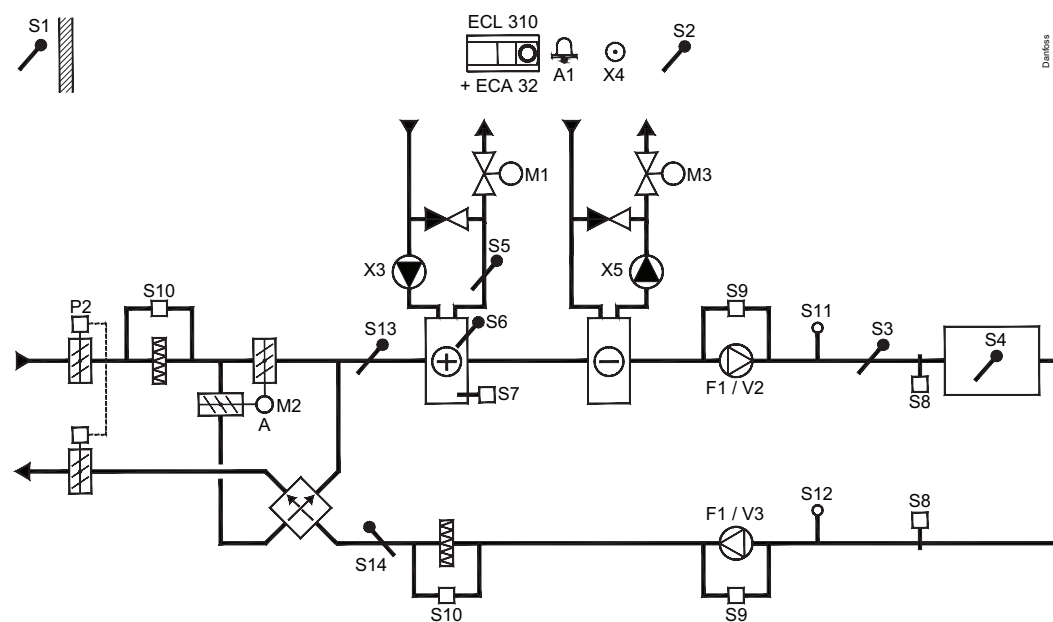


A314.6 (ex. a:)



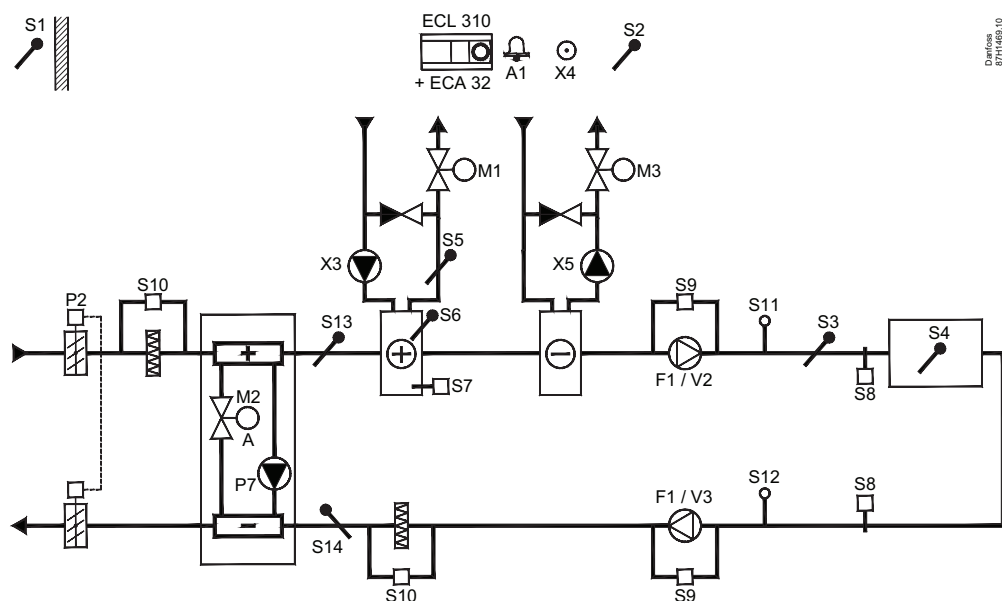
Danfoss
87H1343.11

A314.6 (ex. b:)

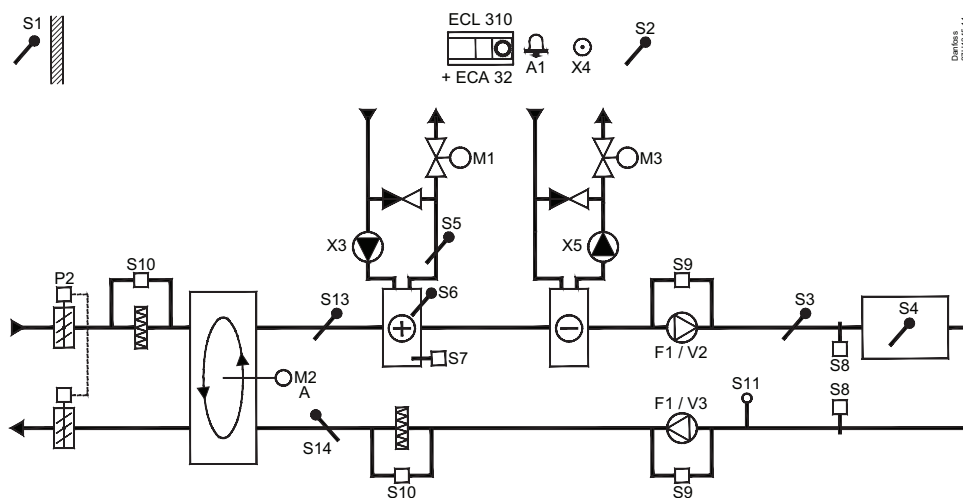


Danfoss
87H1344.11

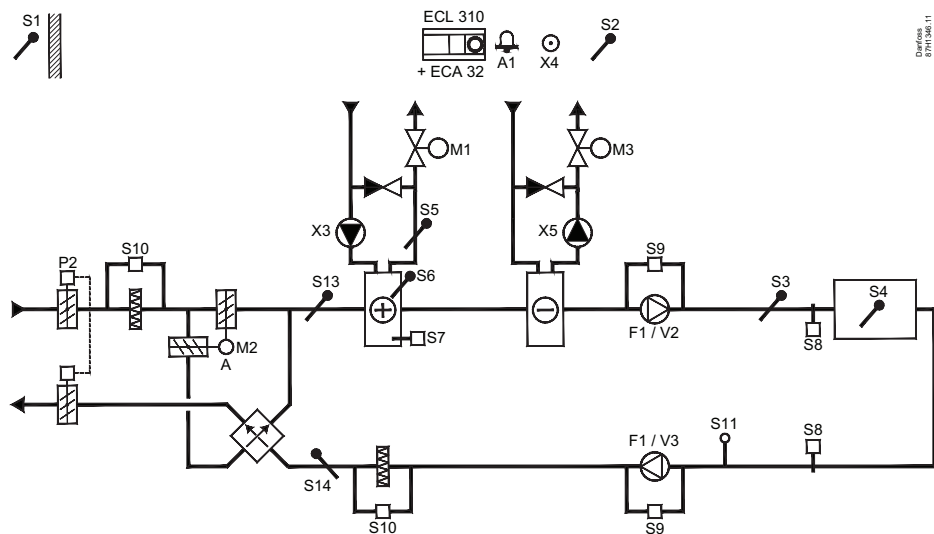
A314.6 (ex. c:)



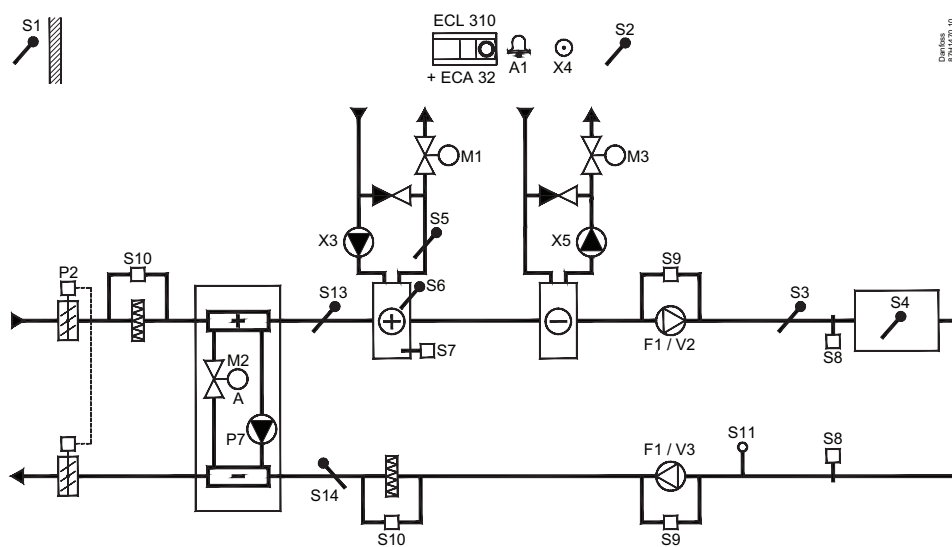
A314.7 (ex. a:)



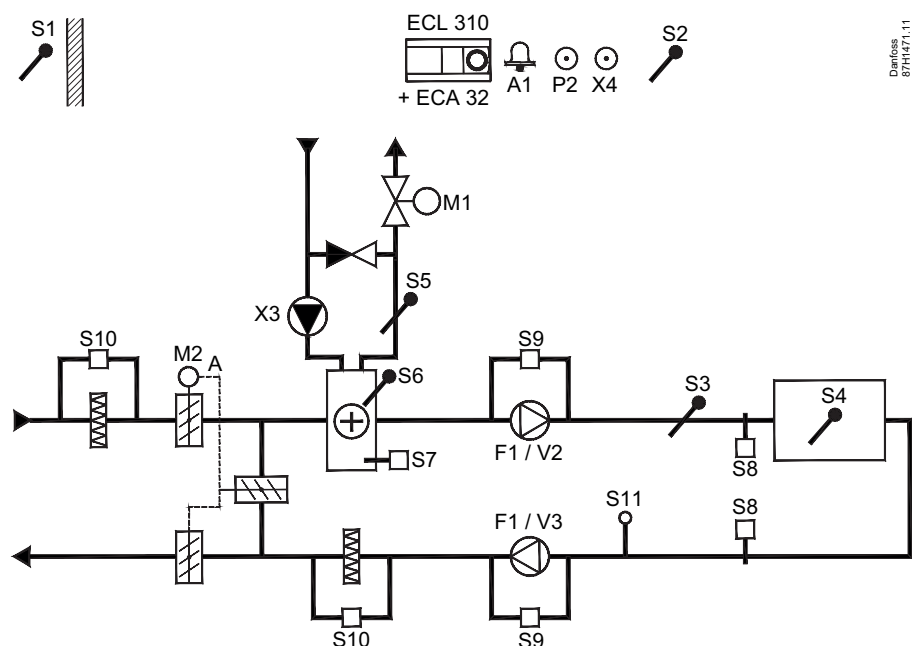
A314.7 (ex. b:)



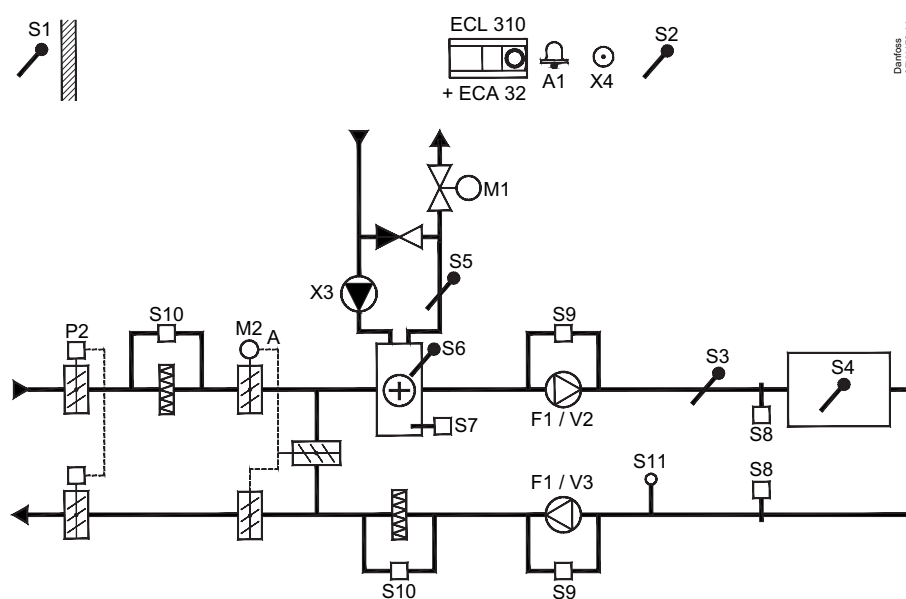
A314.7 (ex. c:)



A314.9 (ex. a:)



A314.9 (ex. b:)



230 V a.c., A214

ECL 210 / 310:

	3-point:		
	M1	M2	M3
A214.1		✓	
A214.2	✓		
A214.3	✓		
A214.4	✓	✓	
A214.5	✓	✓	
A214.6	✓		

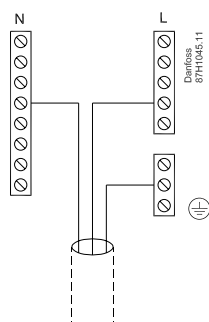
ECL 310:

	3-point:				0 - 10 V: (ECA 32)	
	M1	M2	M3		M1	M2
A314.1	✓					✓
A314.2	✓					✓
A314.3	✓					
A314.4	✓					✓
A314.5	✓					✓
A314.6	✓		✓			✓
A314.7	✓		✓			✓
A314.9	✓					✓

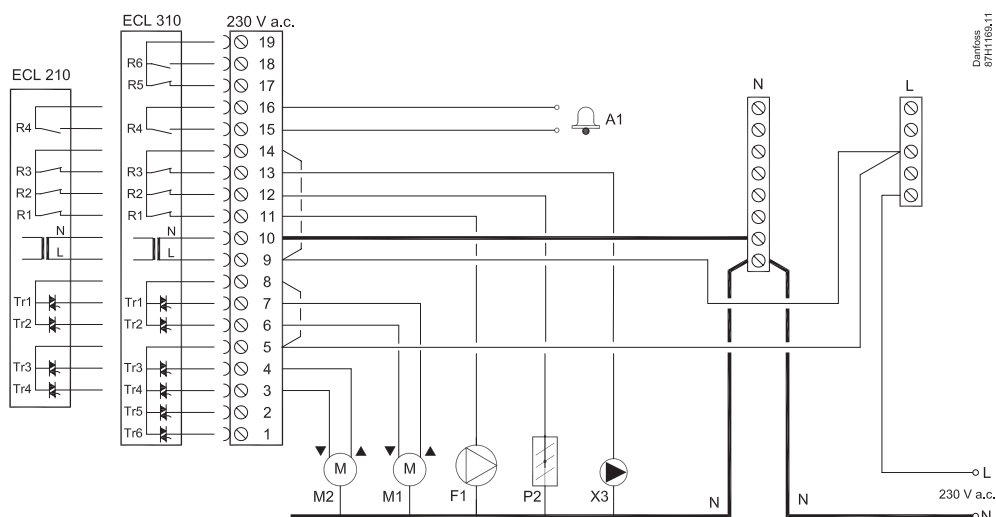
	ECL Comfort 210							
	ECL Comfort 310						ECA 32	
	F1	P2	X3	X4	X5		P7	P8
A214.1	✓	✓	✓					
A214.2	✓	✓	✓					
A214.3	✓	✓	✓					
A214.4	✓	✓	✓					
A214.5	✓	✓	✓					
A214.6	✓	✓	✓					
A314.1	✓	✓	✓					
A314.2	✓	✓	✓					
A314.3	✓	✓	✓					
A314.4	✓	✓	✓	✓			✓	✓
A314.5	✓	✓	✓	✓			✓	✓
A314.6	✓	✓	✓	✓	✓		✓	
A314.7	✓	✓	✓	✓	✓		✓	
A314.9	✓	✓	✓	✓	✓			

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

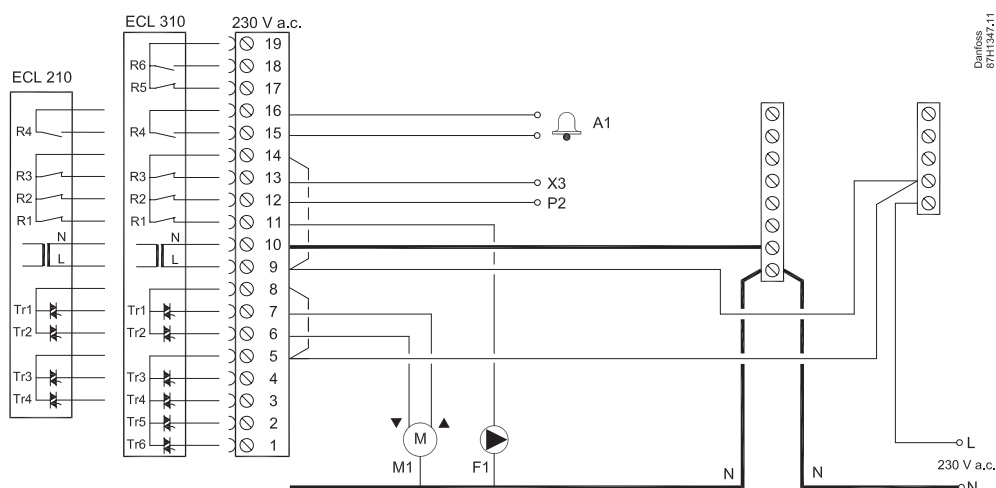
R		4 (2) A / 24 V a.c.
R		
Tr		1 A / 24 V a.c.



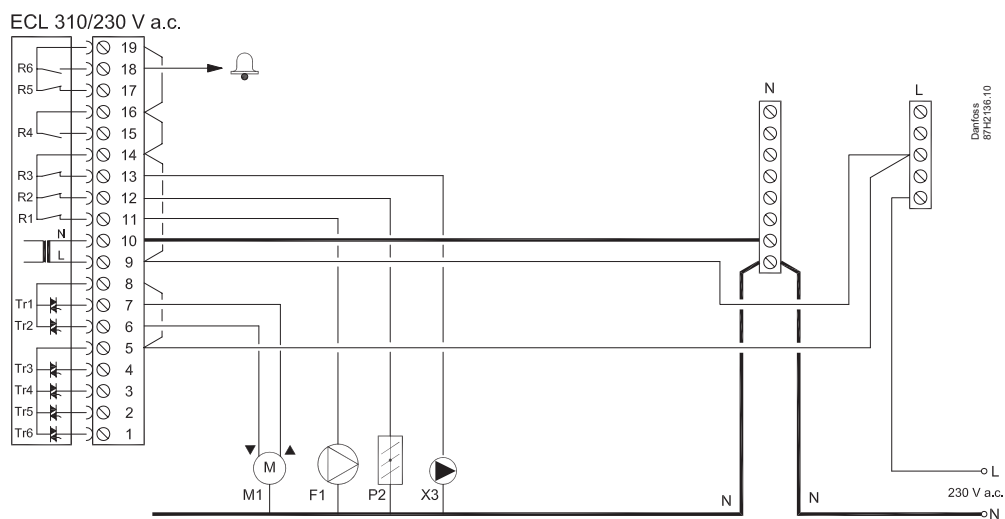
230 V a.c., A214



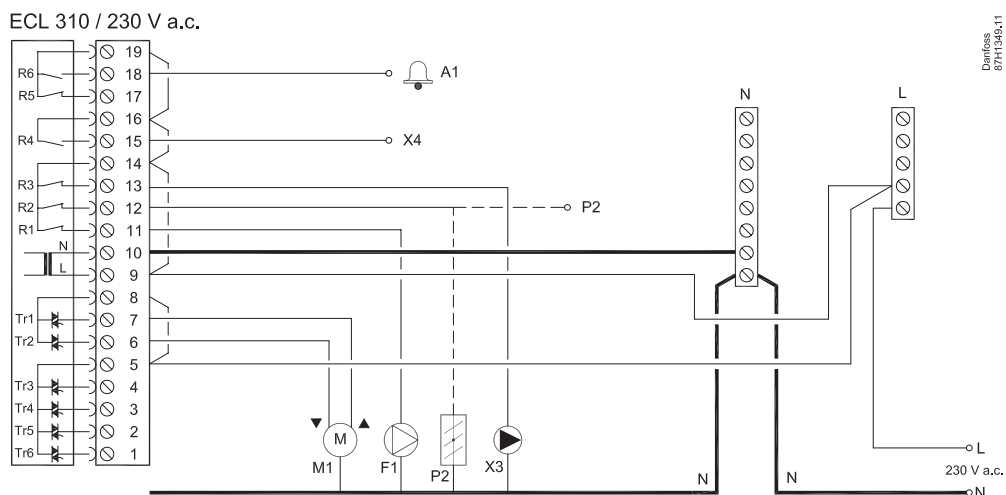
230 V a.c. (A214.6)



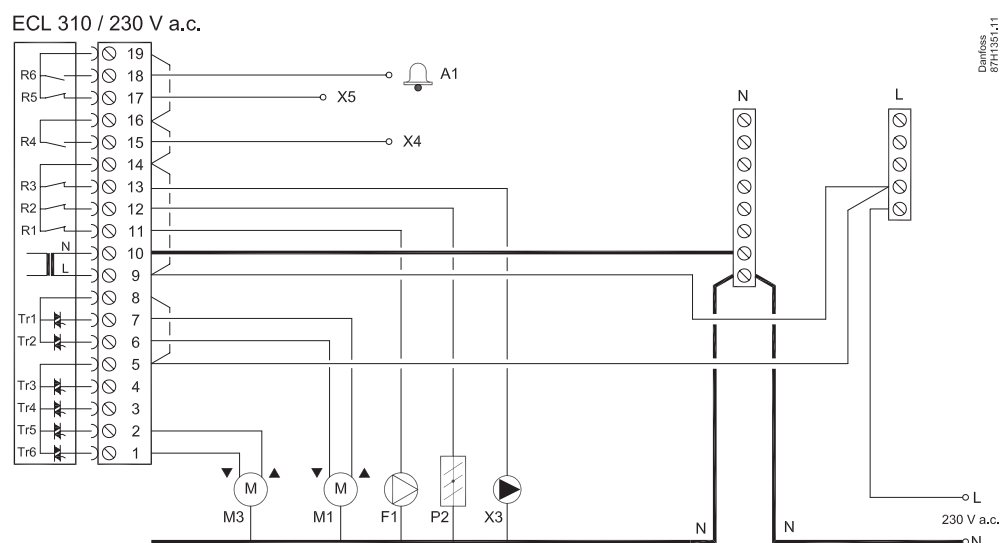
230 V a.c. (A314.1 / A314.2 / A314.3)



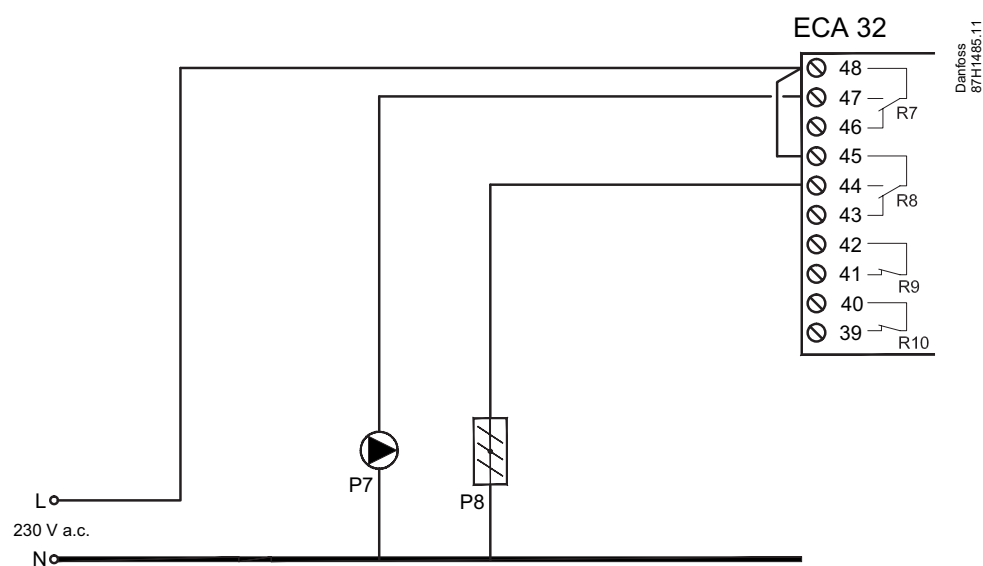
230 V a.c. (A314.4 / A314.5 / A314.9)



230 V a.c. (A314.6 / A314.7)



ECA 32



24 V a.c., A214

ECL 310:

	3-point:		
	M1	M2	M3
A214.1		✓	
A214.2	✓		
A214.3	✓		
A214.4	✓	✓	
A214.5	✓	✓	
A214.6	✓		

ECL 310:

	3-point:				0 - 10 V: (ECA 32)	
	M1	M2	M3		M1	M2
A314.1	✓					✓
A314.2	✓					✓
A314.3	✓					
A314.4	✓					✓
A314.5	✓					✓
A314.6	✓		✓			✓
A314.7	✓		✓			✓
A314.9	✓					✓

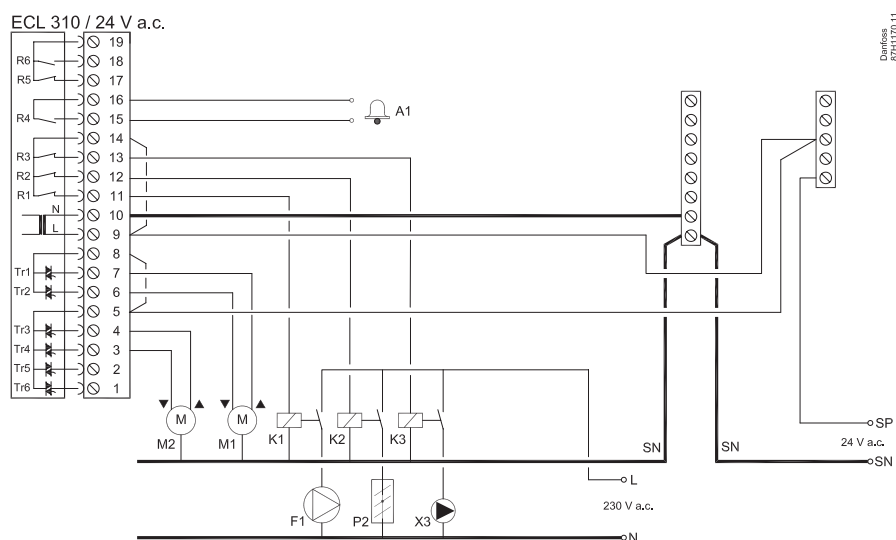
	ECL Comfort 310						ECA 32	
	F1	P2	X3	X4	X5		P7	P8
A214.1	✓	✓	✓					
A214.2	✓	✓	✓					
A214.3	✓	✓	✓					
A214.4	✓	✓	✓					
A214.5	✓	✓	✓					
A214.6	✓	✓	✓					
A314.1	✓	✓	✓					
A314.2	✓	✓	✓					
A314.3	✓	✓	✓					
A314.4	✓	✓	✓	✓			✓	✓
A314.5	✓	✓	✓	✓			✓	✓
A314.6	✓	✓	✓	✓	✓		✓	
A314.7	✓	✓	✓	✓	✓		✓	
A314.9	✓	✓	✓	✓	✓			

Installation Guide, ECL Comfort 210 / 296 / 310, A214 / A314

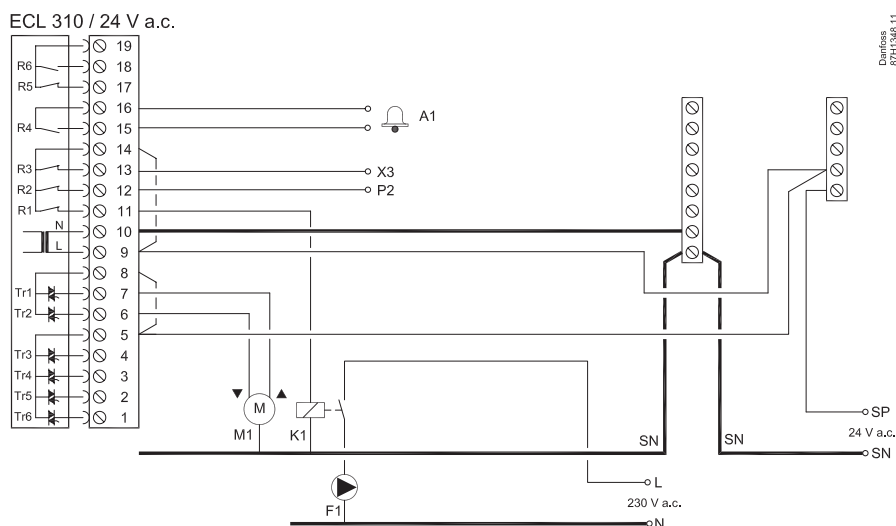
ECL Comfort 210 / 310: 24 V a.c.

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

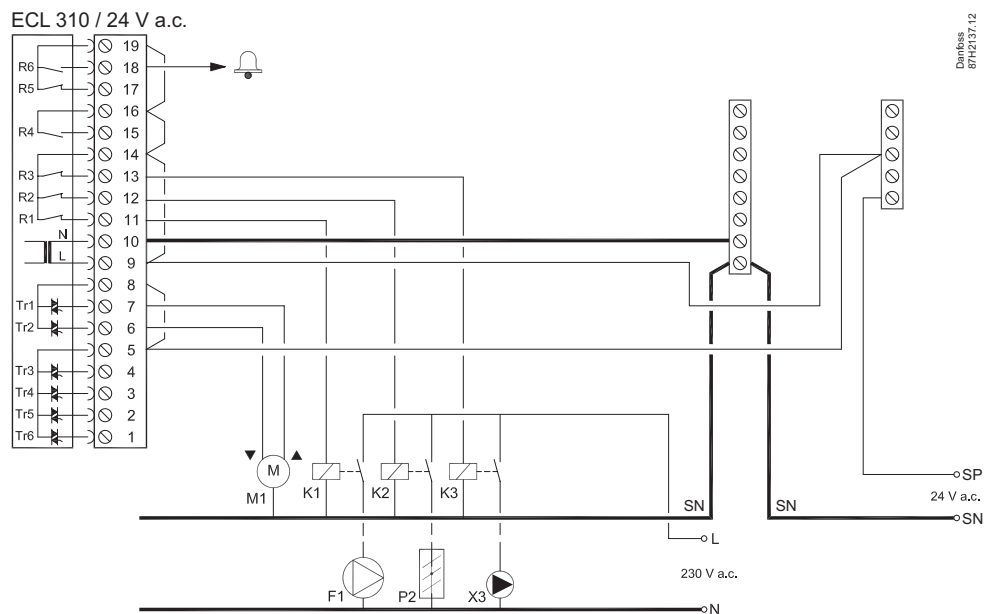
24 V a.c., A214



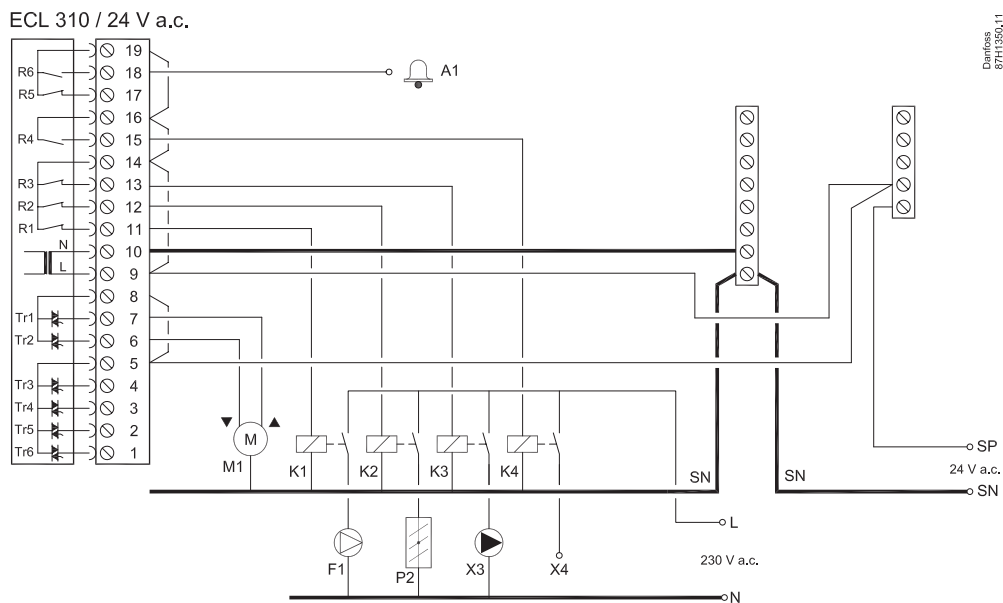
24 V a.c. (A214.6)



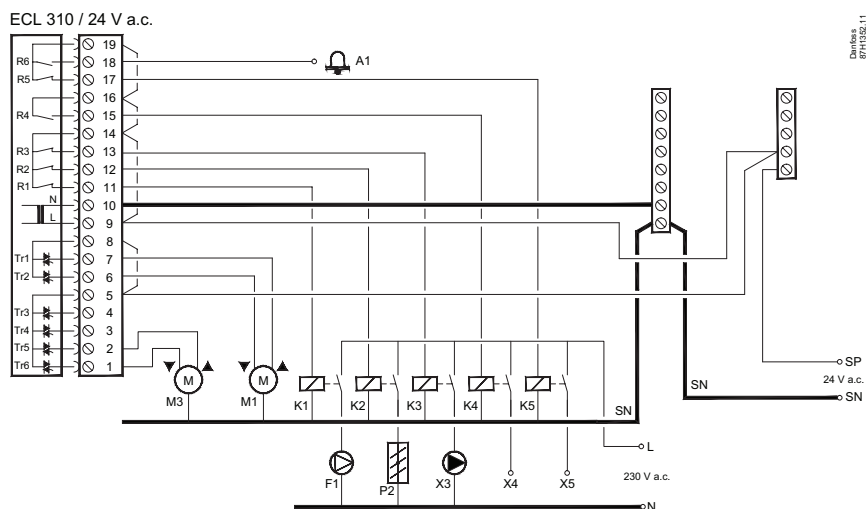
24 V a.c. (A314.1 / A314.2 / A314.3)



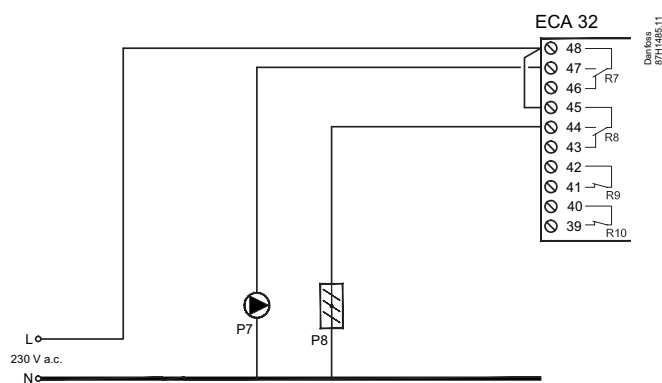
24 V a.c. (A314.4 / A314.5 / A314.9)



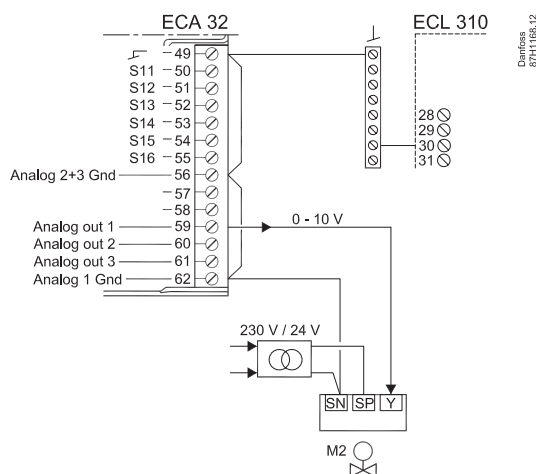
24 V a.c. (A314.6 / A314.7)



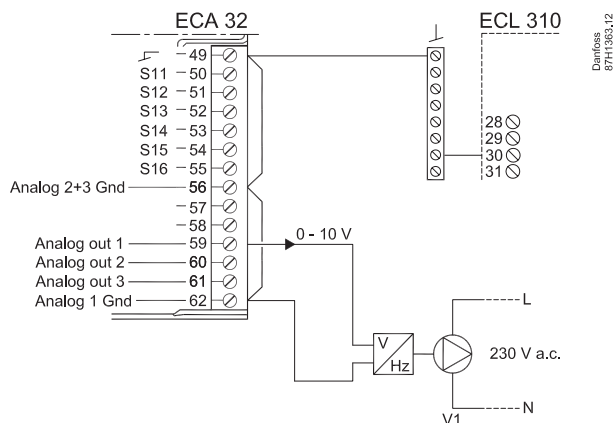
ECA 32



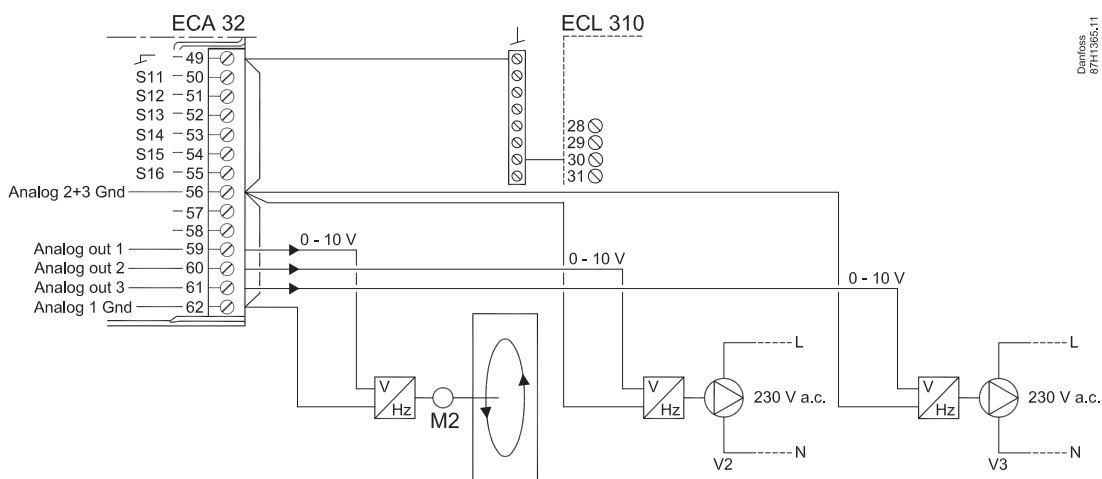
ECA 32 (A314.1 / A314.2)



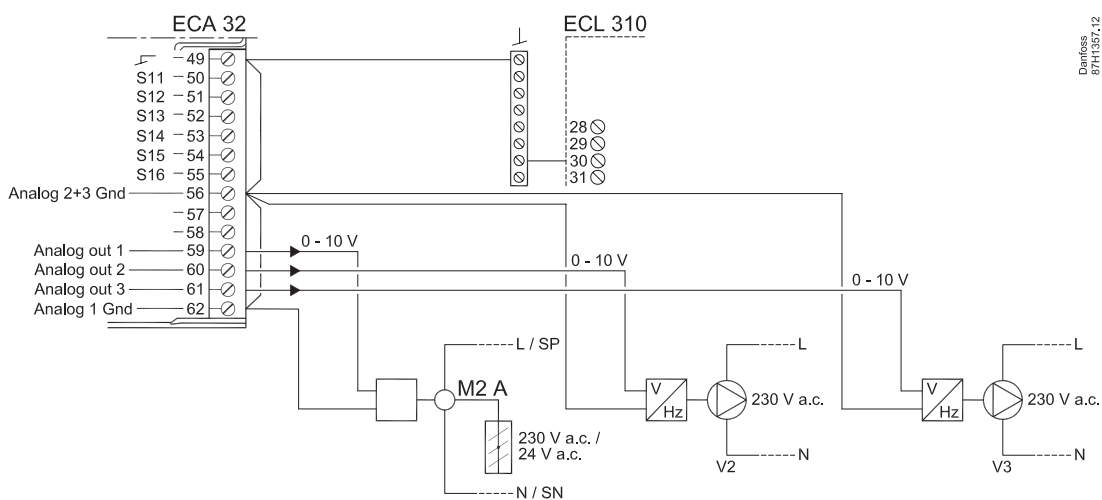
ECA 32 (A314.3)



ECA 32 (A314.4, ex. a / A314.5, ex. a / A314.6, ex. a / A314.7, ex. a)

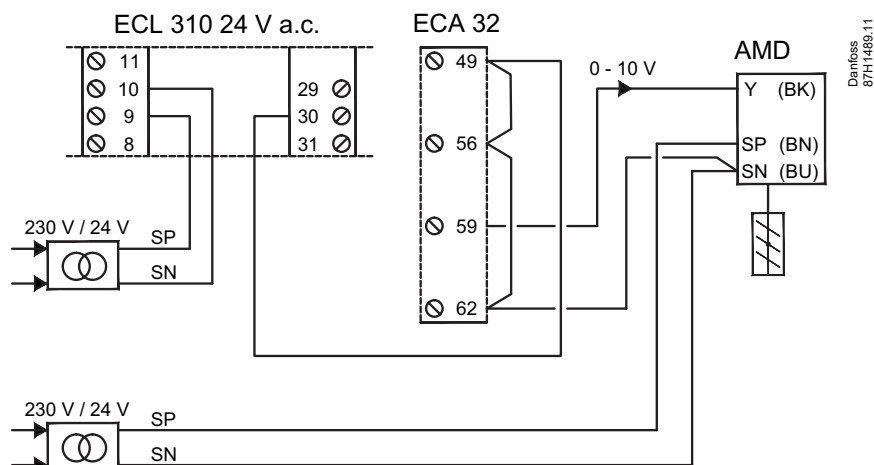


ECA 32 (A314.4, ex. a / A314.5, ex. a / A314.6, ex. a / A314.7, ex. a / A314.9, ex. a + b)

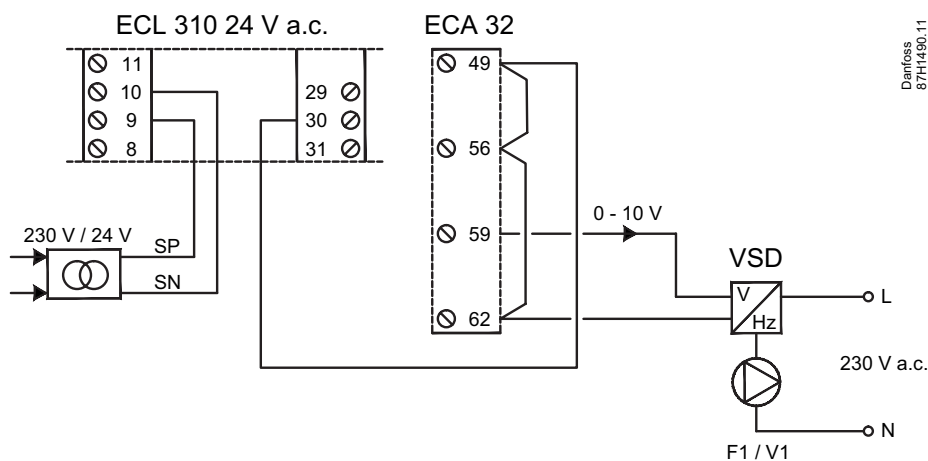


L - N: 230 V a.c. / SP - SN: 24 V a.c.

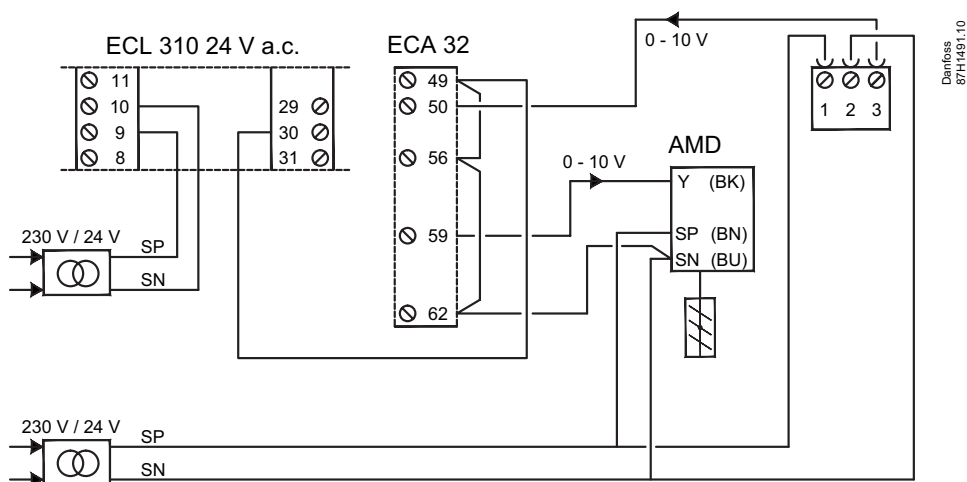
Example:



Example:

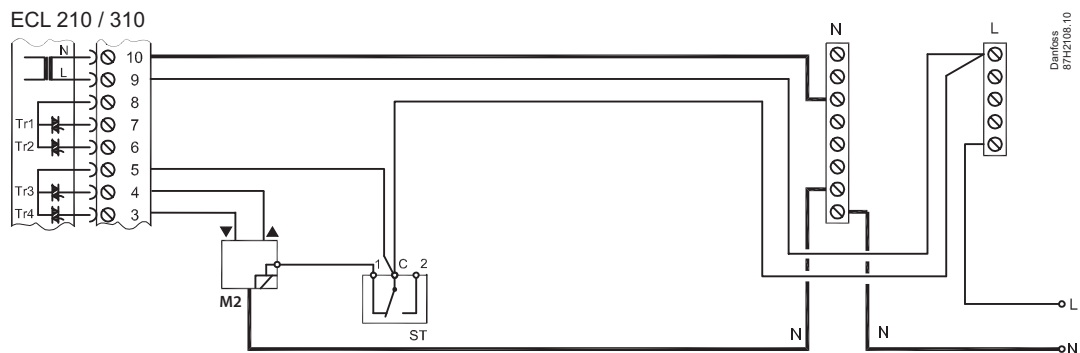
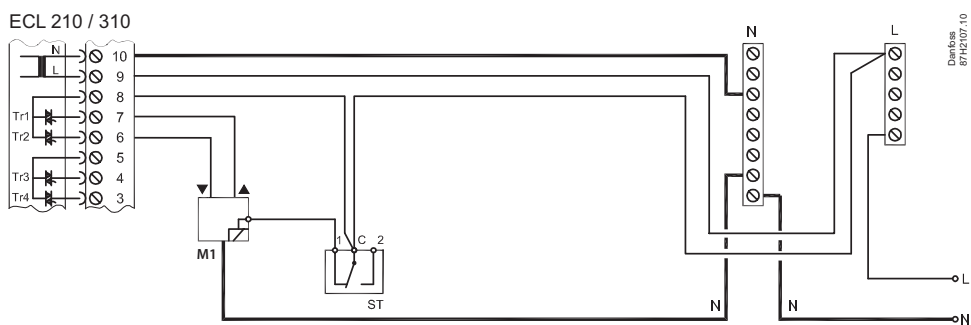
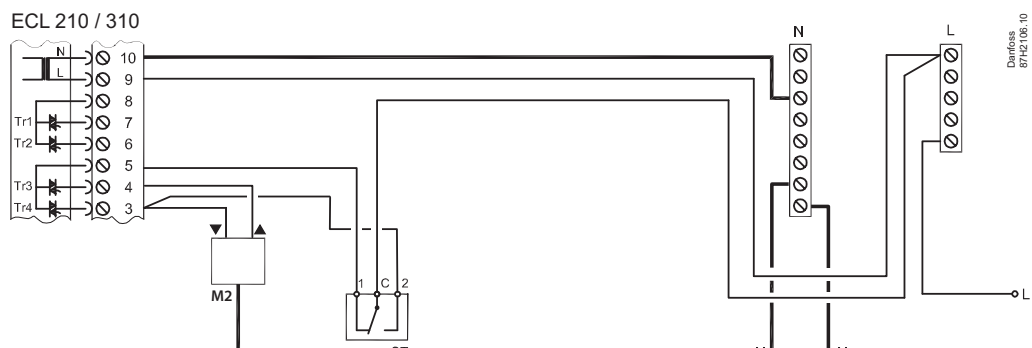
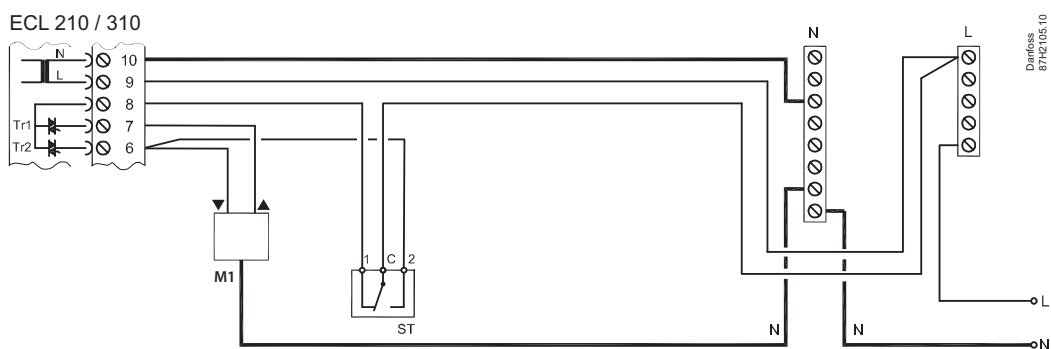


Example:



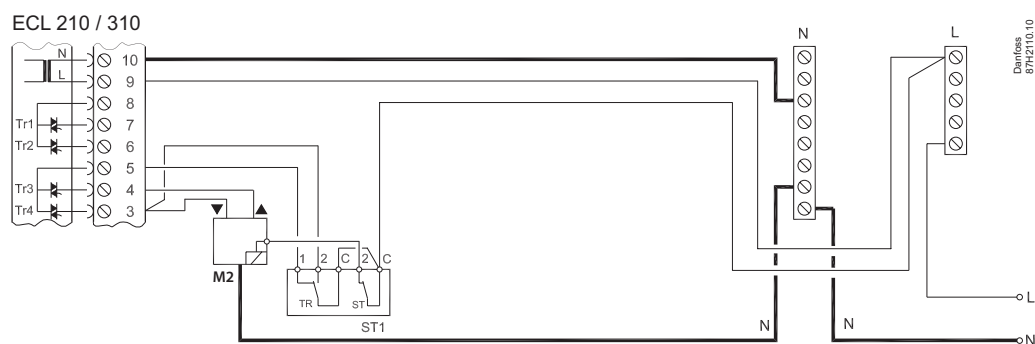
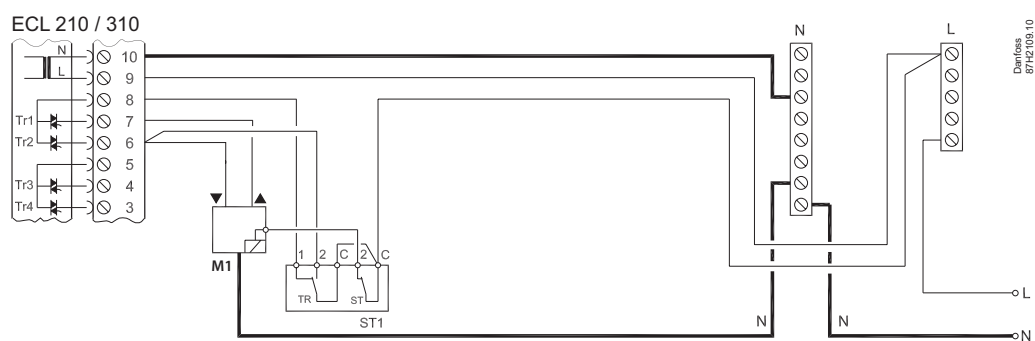
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing

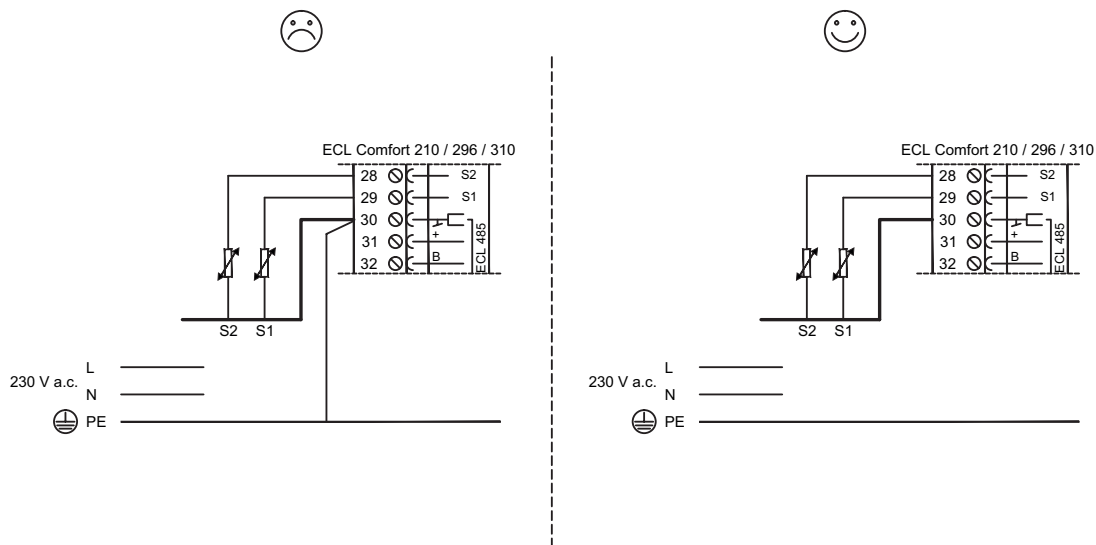


230 V a.c. / 24 V a.c. , safety thermostat

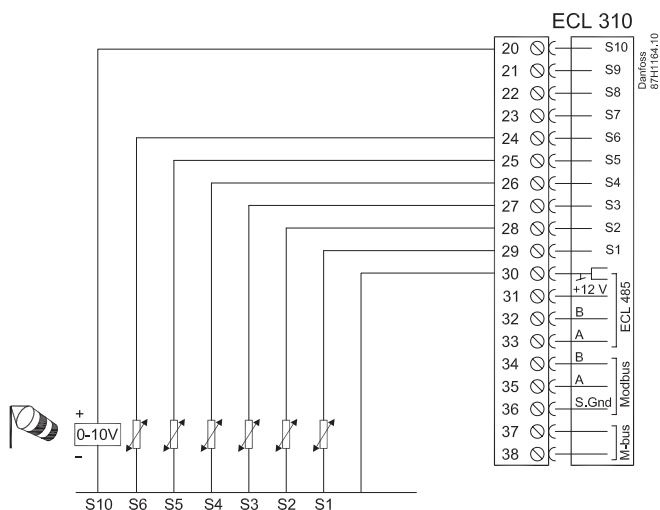
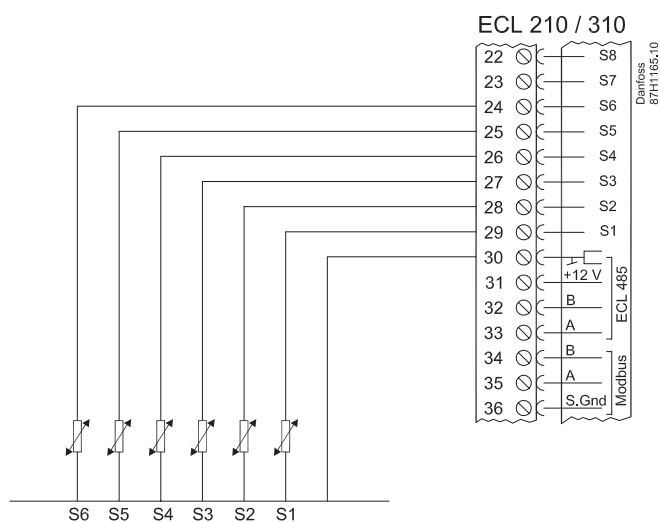
2-step closing



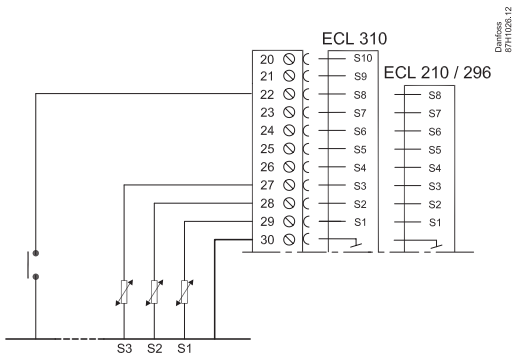
 **Pt 1000** (1000 Ω / 0 °C)



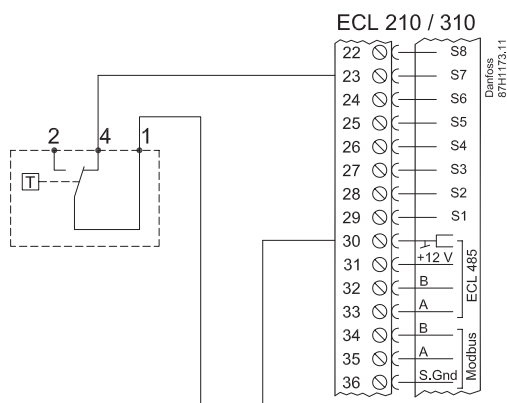
Danfoss
87H1487.11



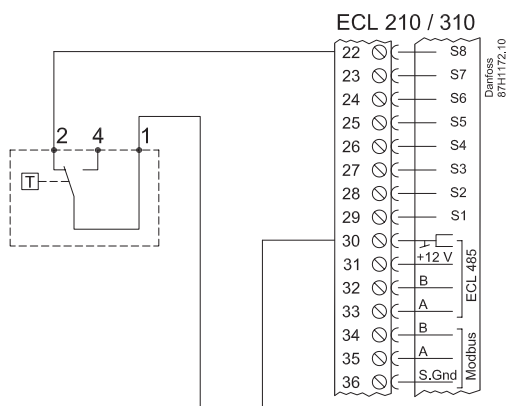
A214



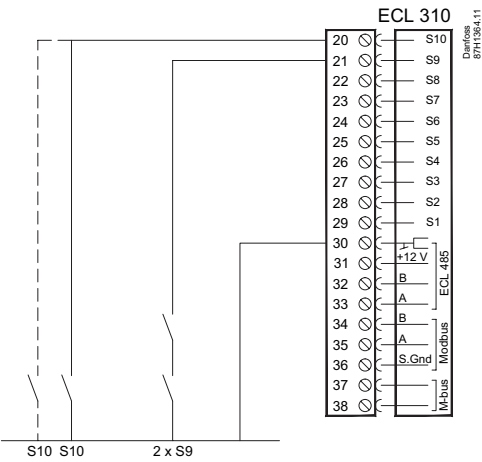
S7



S8

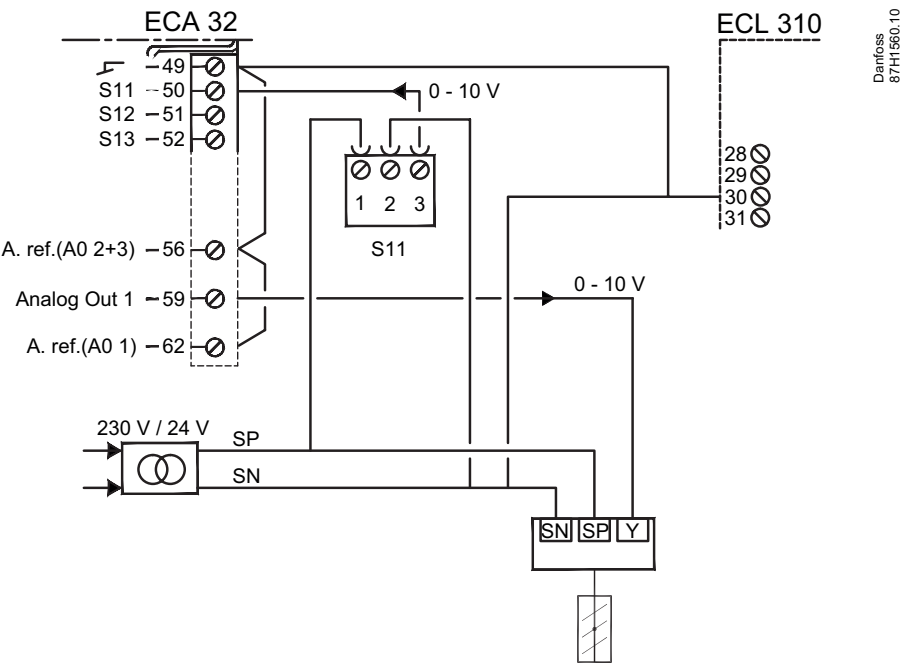


S9 / S10

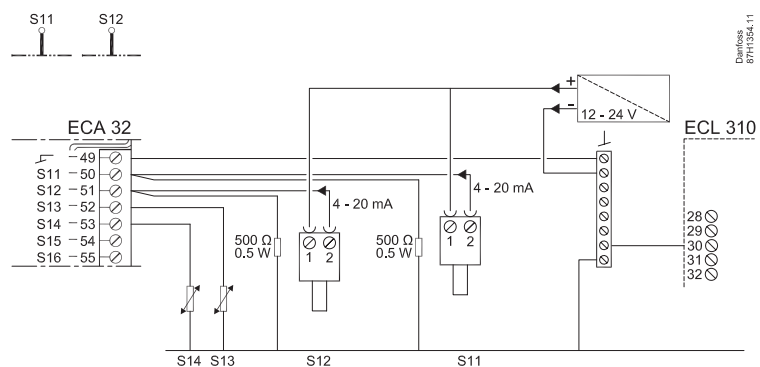
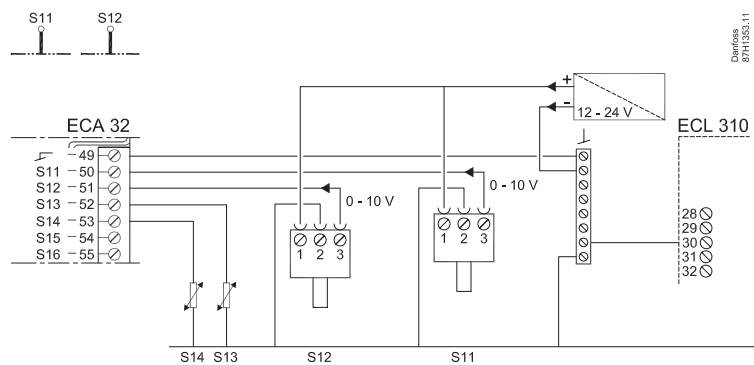


ECA 32

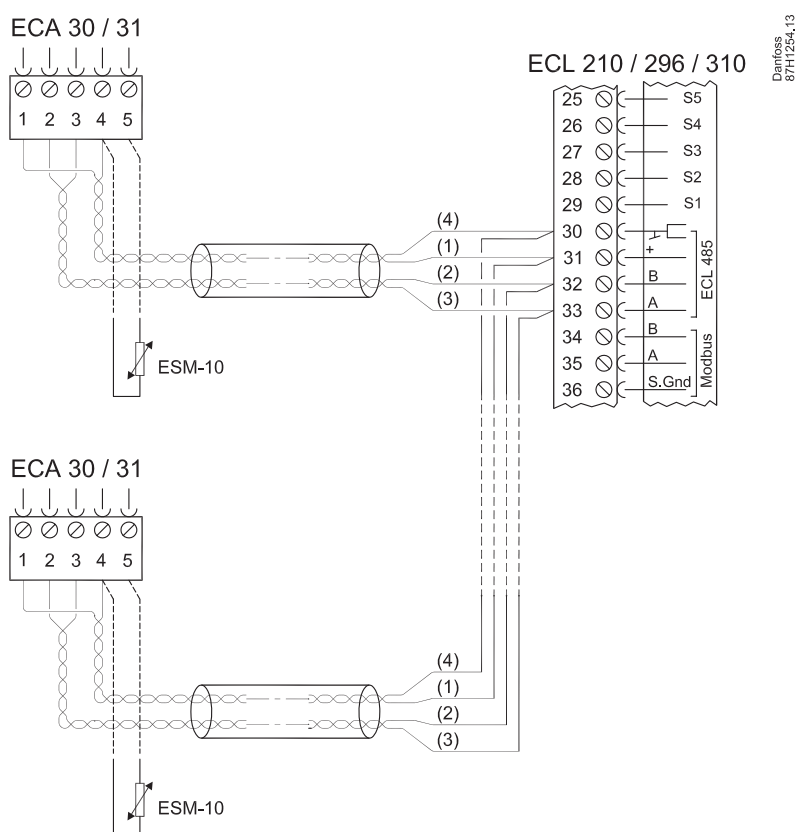
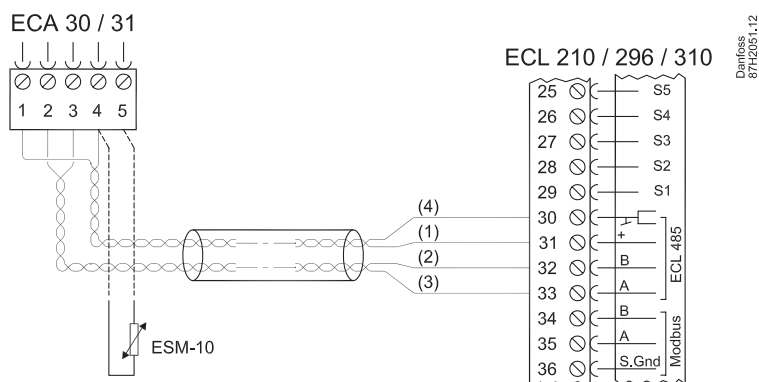
	S11	S12	S13	S14
A314.4	✓	✓	✓	✓
A314.5	✓		✓	✓
A314.6	✓	✓	✓	✓
A314.7	✓		✓	✓
A314.9	✓			



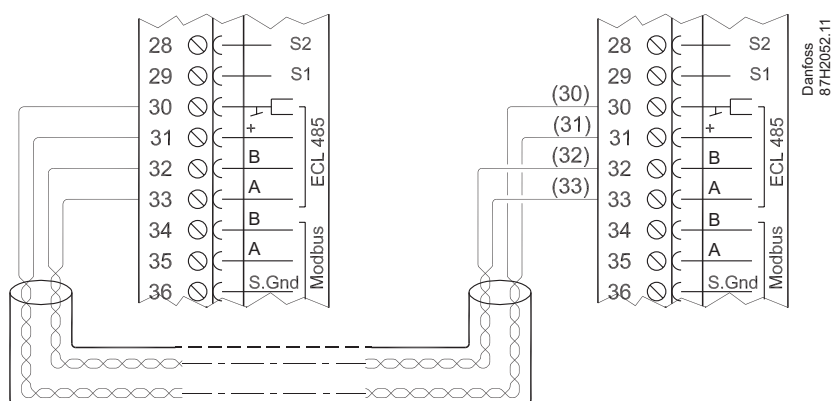
ECA 32



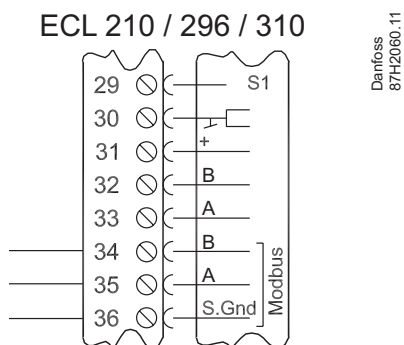
ECA 30 / 31



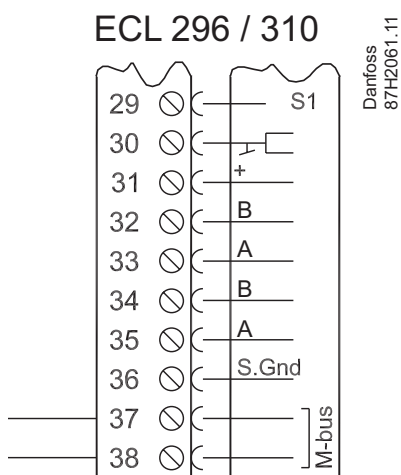
Master / slave



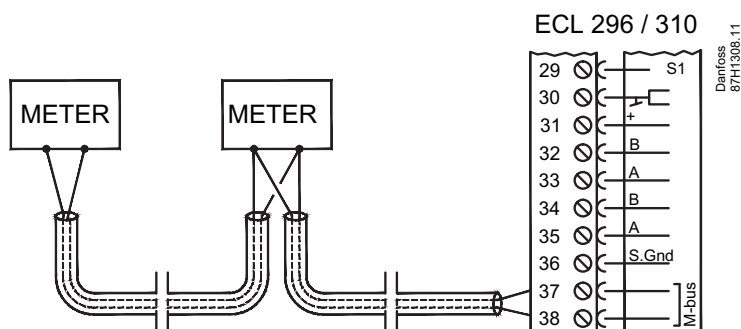
Modbus



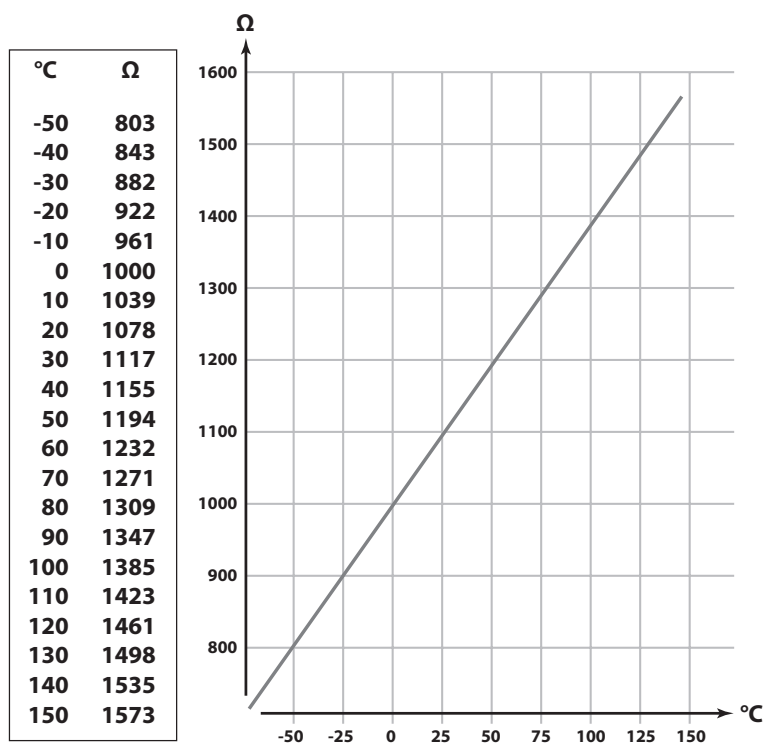
M-bus



M-bus

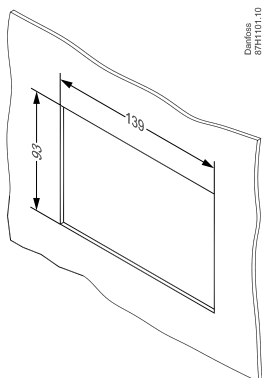


Pt 1000 (IEC 751B, 1000 Ω / 0 °C)

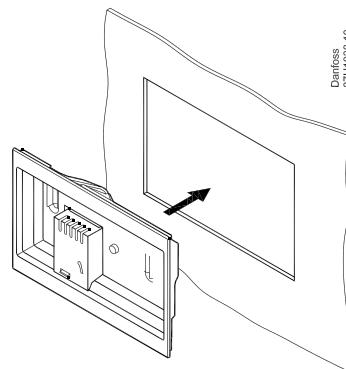


ECA 30

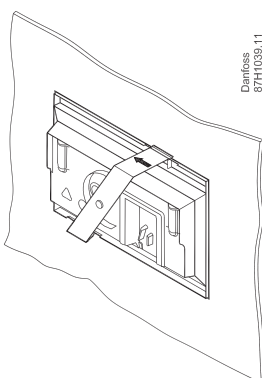
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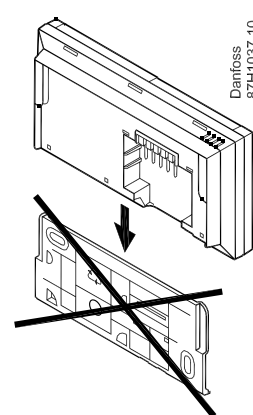
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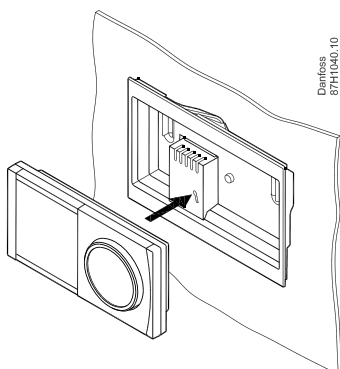
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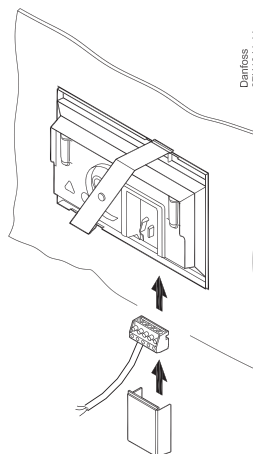
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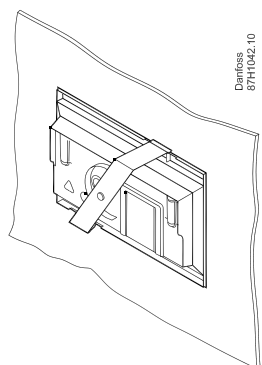
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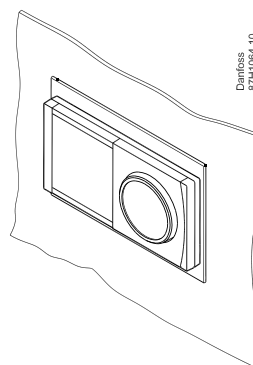
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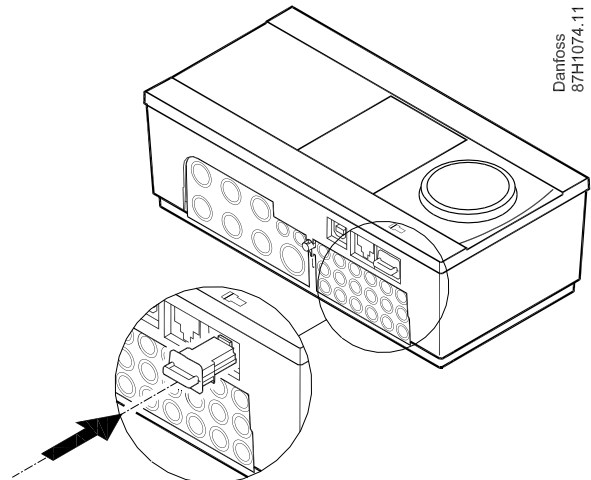
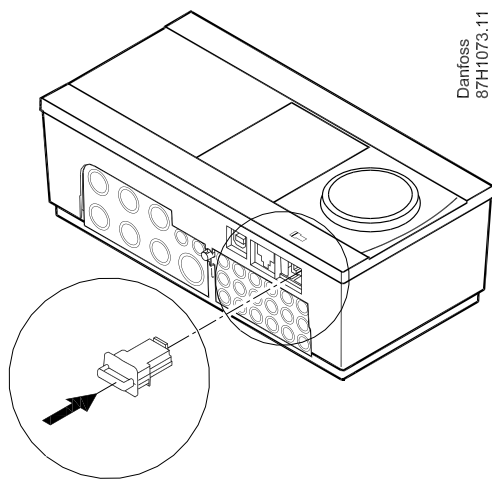
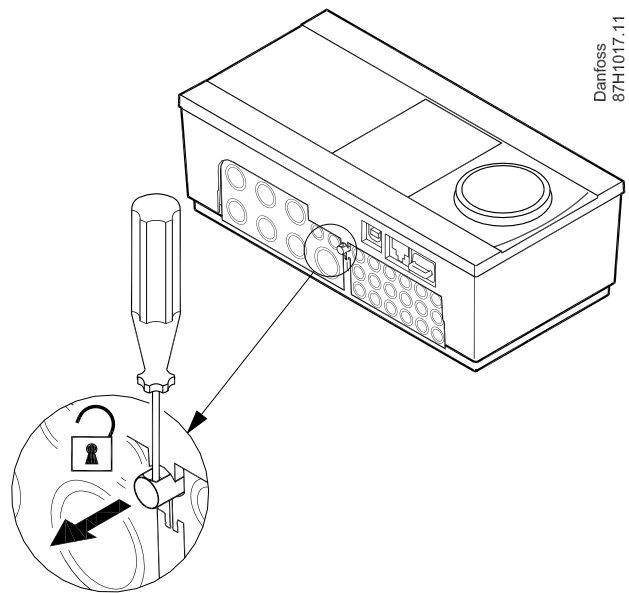
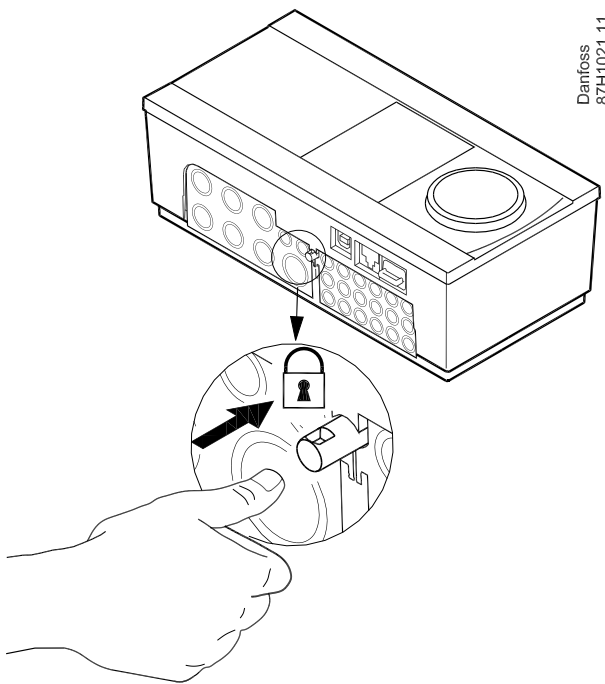
7



8



Installation Guide, ECL Comfort 210 / 296 / 310, A214 / A314



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



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Heating Segment • danfoss.com • +45 7488 2222 • E-Mail: heating@danfoss.com

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