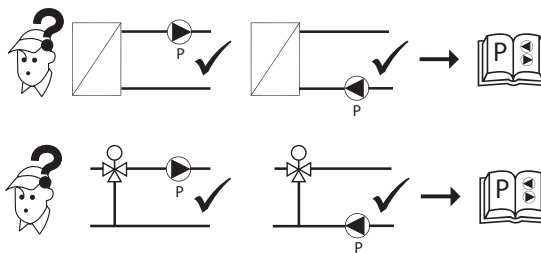
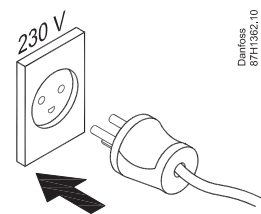
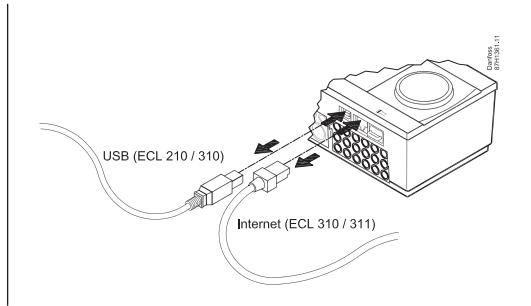
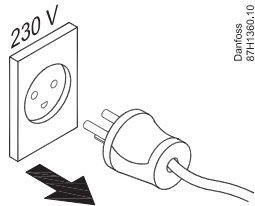


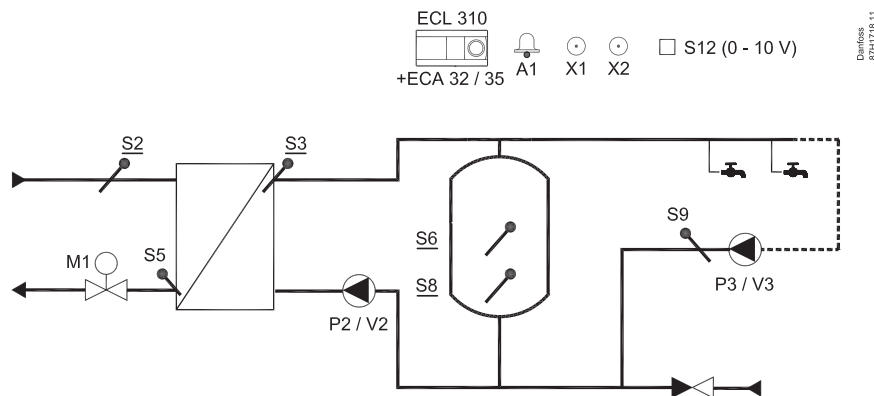
Installation Guide

ECL Comfort 310, P318 (code no. 087H3835)

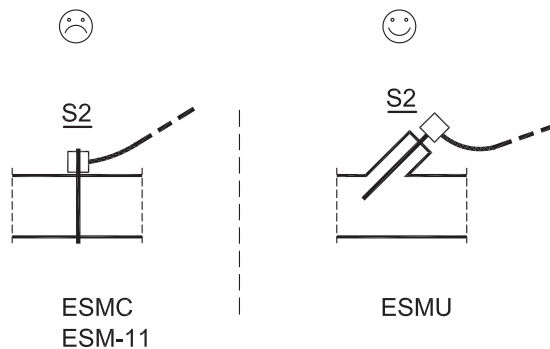
(P318.1, P318.2, P318.5, P318.10, P318.11, P318.21)



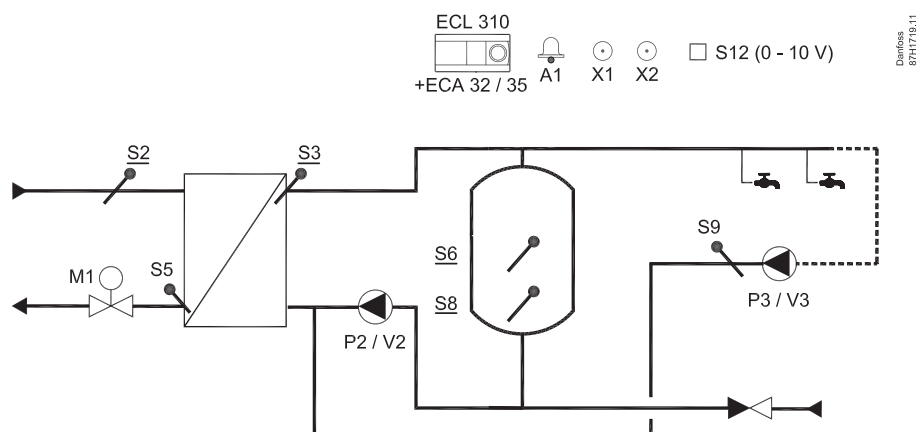
P318.1, ex. a



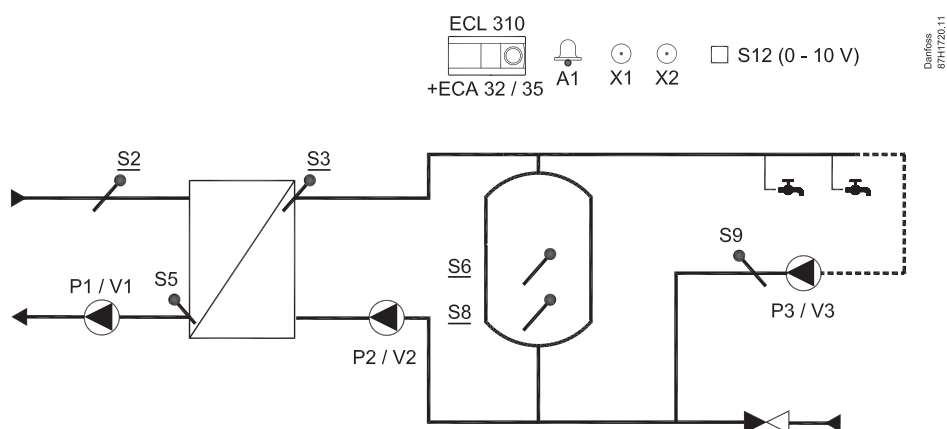
S2



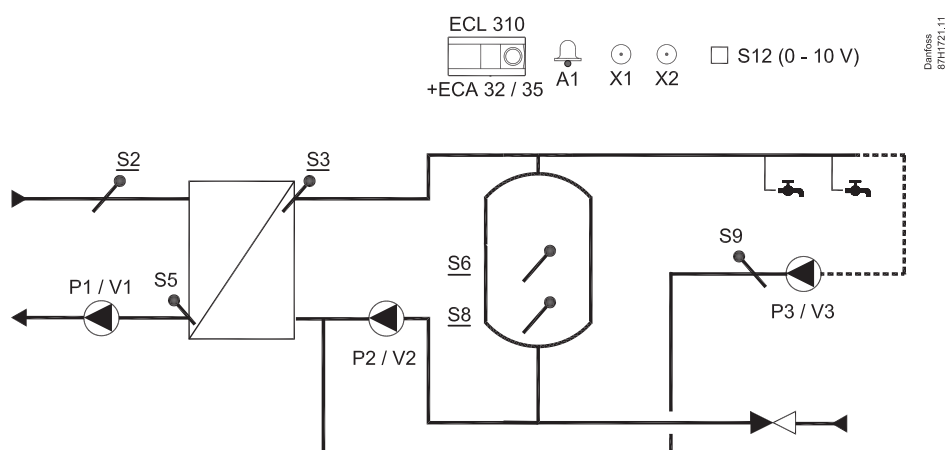
P318.1, ex. b



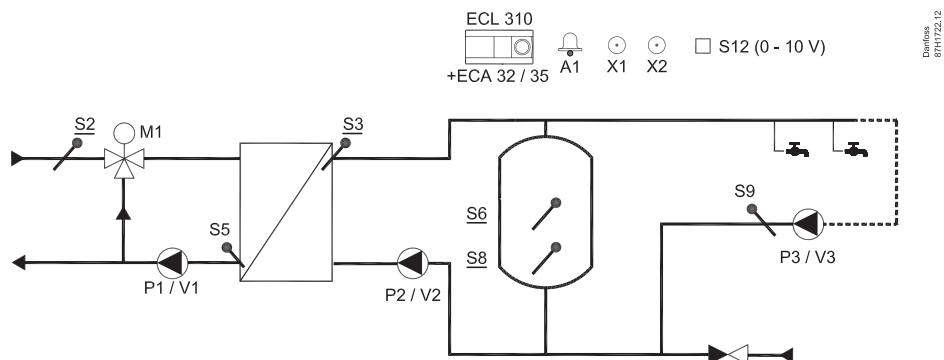
P318.1, ex. c



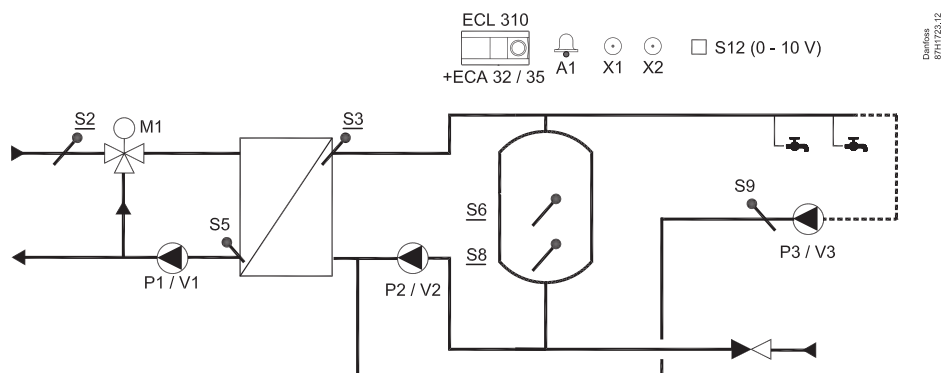
P318.1, ex. d



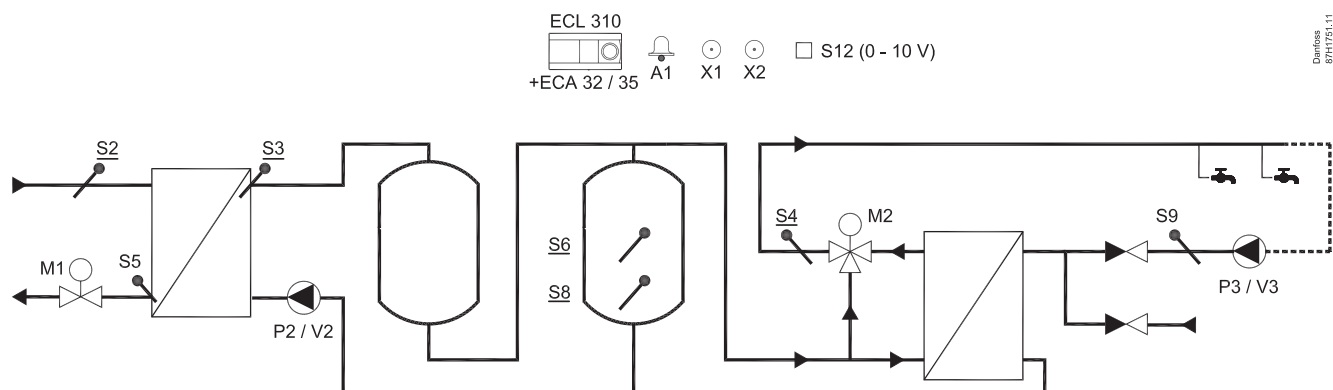
P318.1, ex. e



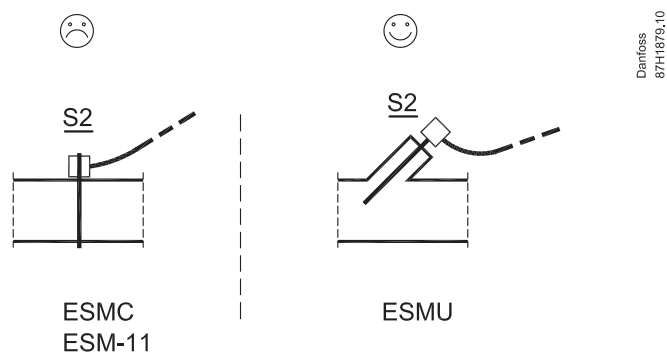
P318.1, ex. f



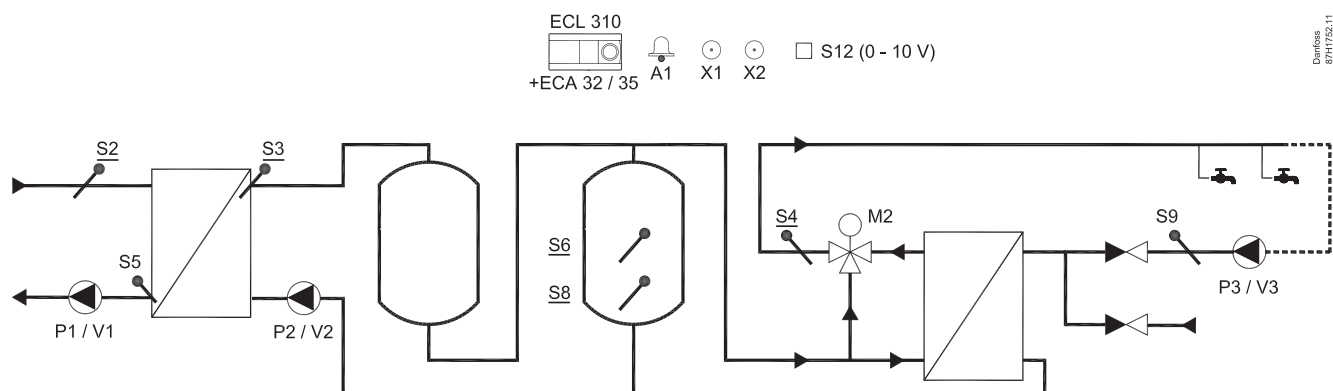
P318.2, ex. a



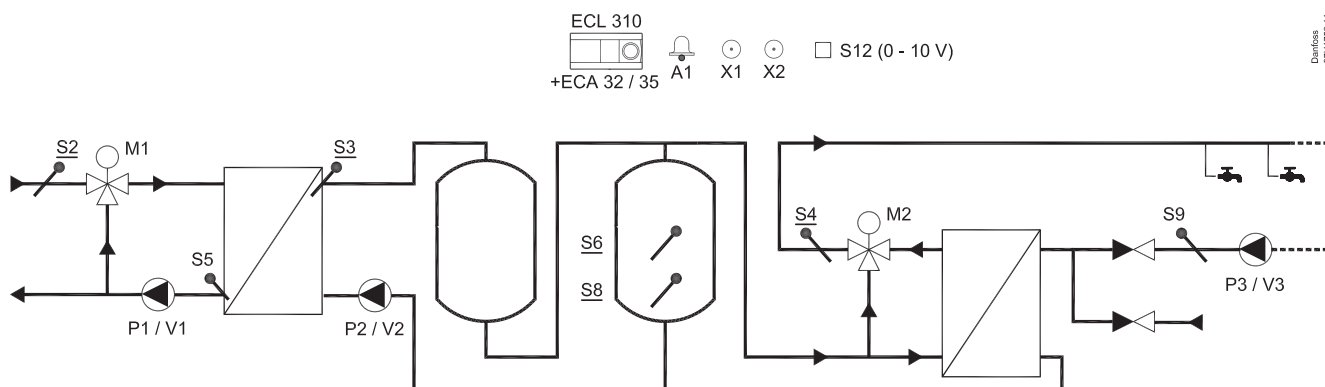
S2



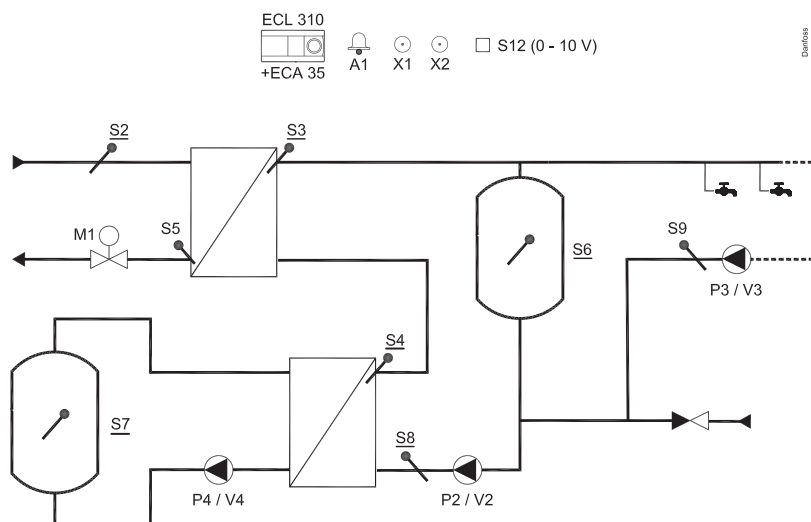
P318.2, ex. b



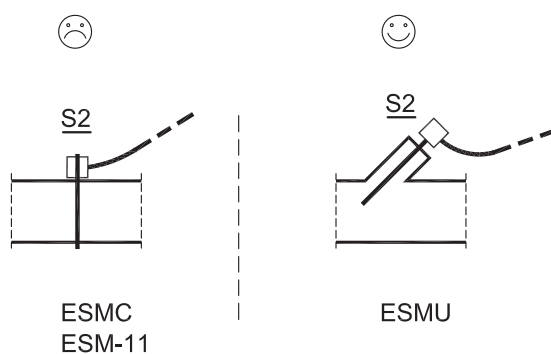
P318.2, ex. c



P318.5, ex. a

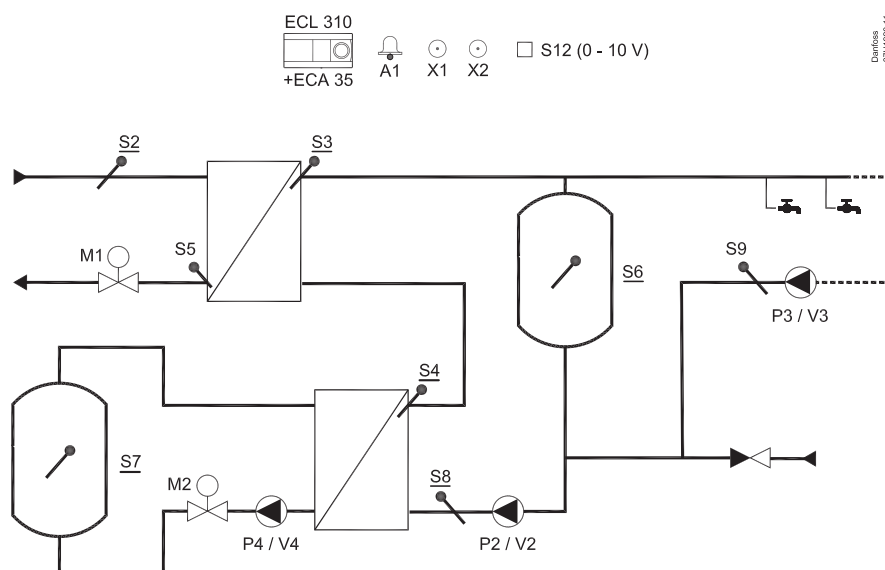


S2

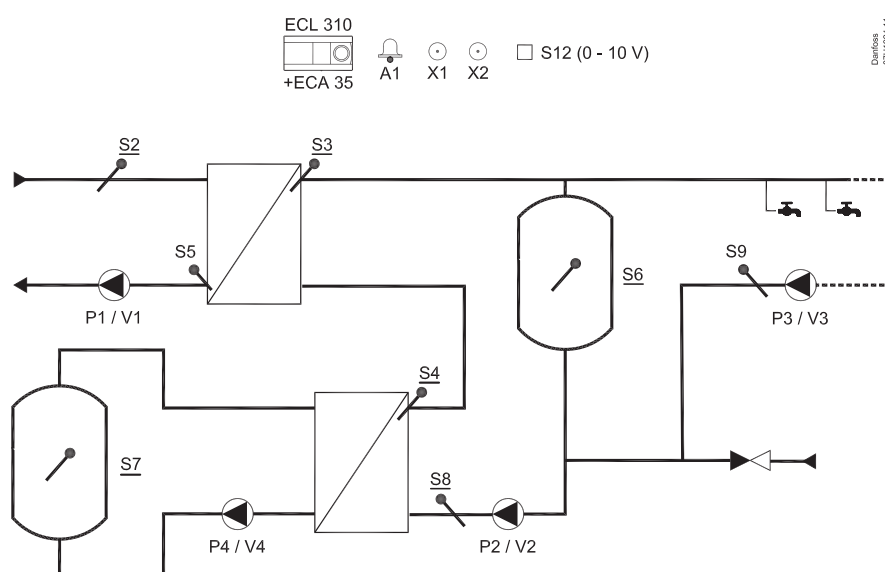


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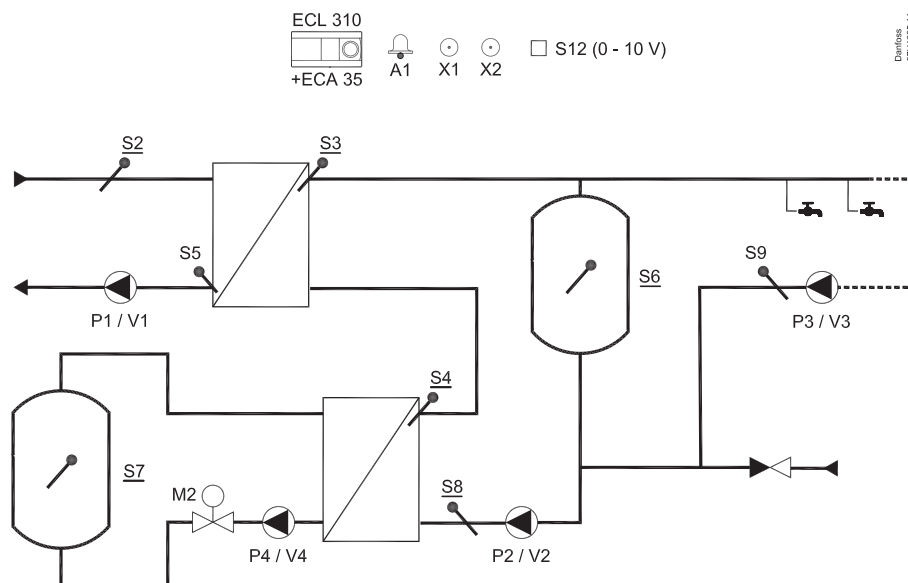
P318.5, ex. b



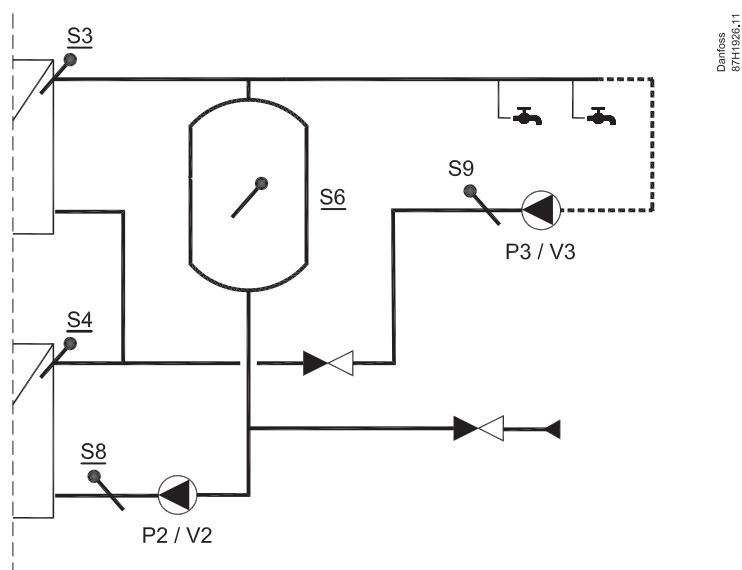
P318.5, ex. c



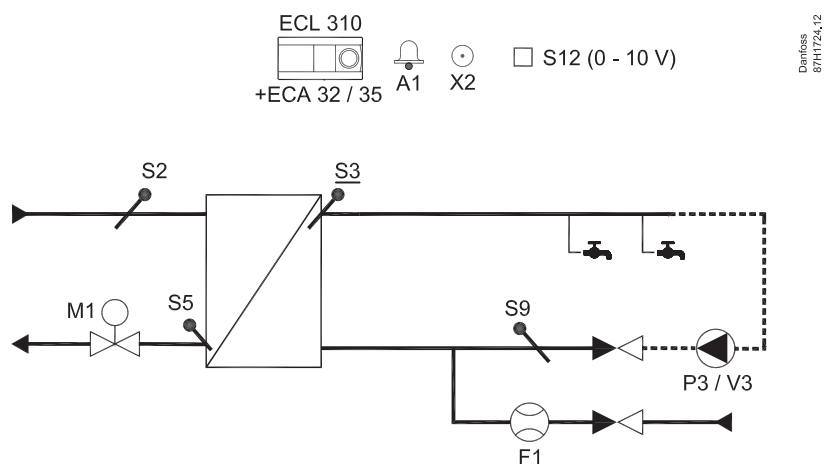
P318.5, ex. d



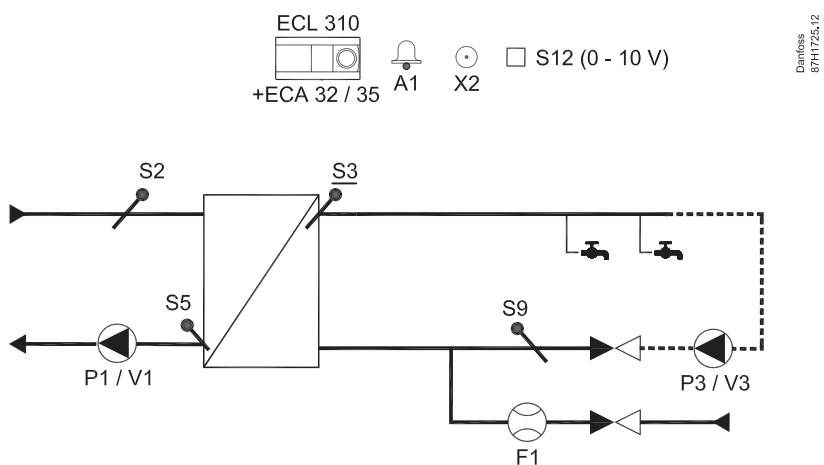
P318.5, ex. a / b / c / d



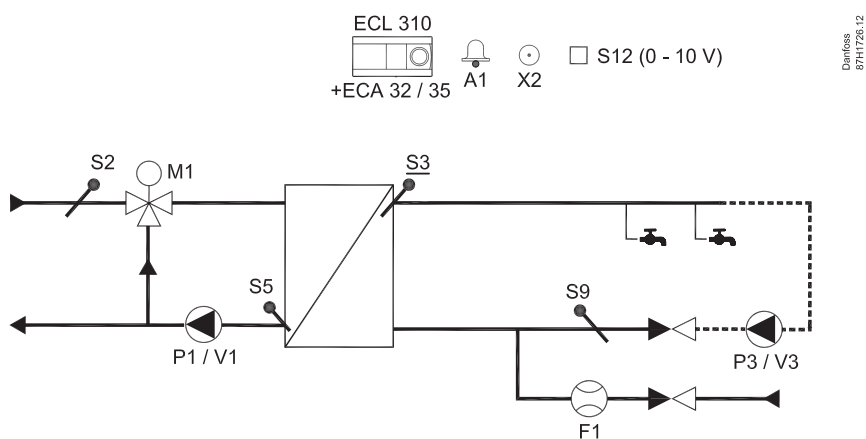
P318.10, ex. a



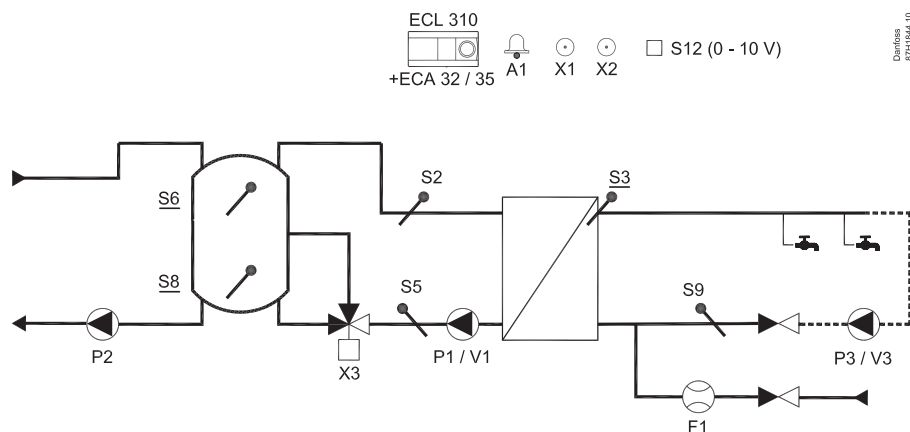
P318.10, ex. b



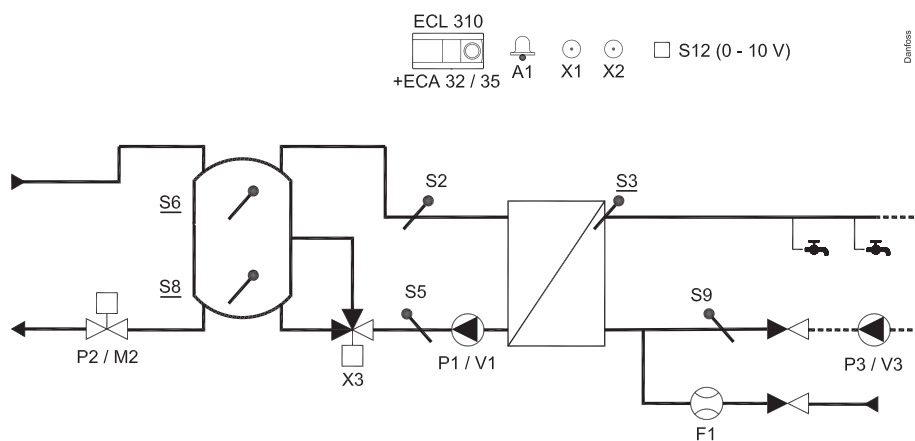
P318.10, ex. c



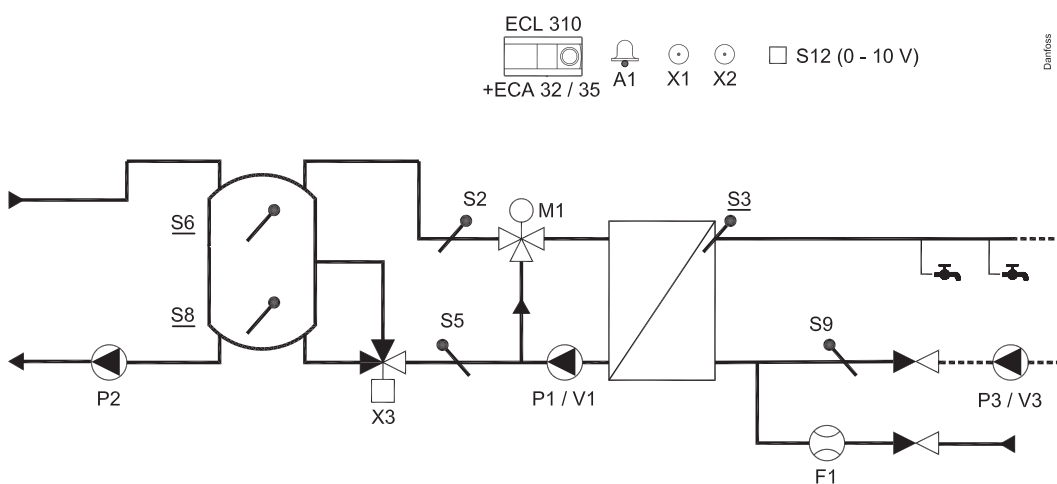
P318.11, ex. a



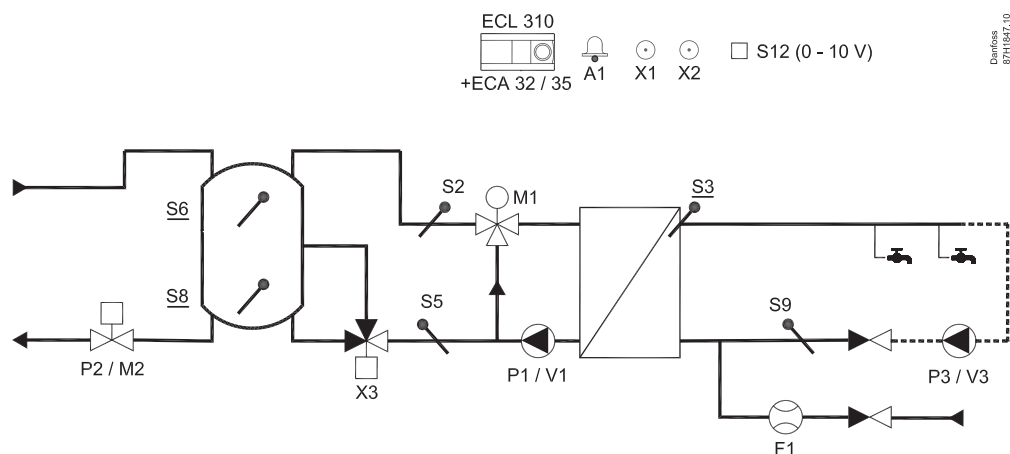
P318.11, ex. b



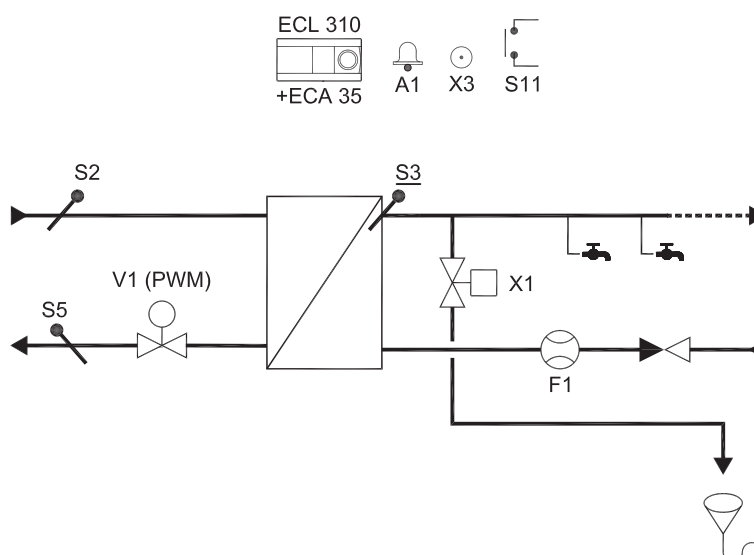
P318.11, ex. c



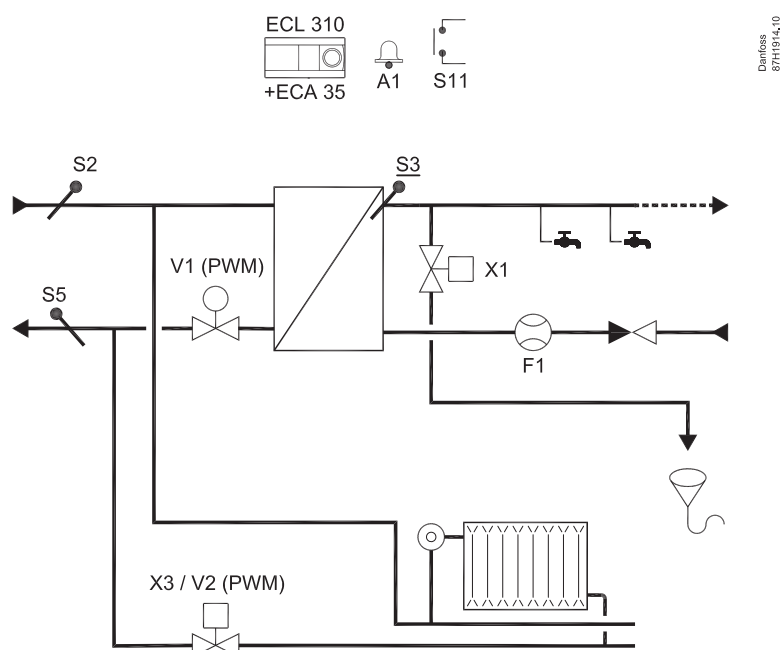
P318.11, ex. d



P318.21, ex. a



P318.21, ex. b



Installation Guide, ECL Comfort 310, P318

ECL 310, 230 V a.c.

	M1	M2	M3		P1 (R1)	P2 (R2)	P3 (R3)	X2 (R4)	X3 (R5)	A1 (R6)
P318.1	x				x	x	x	x		x
P318.2	x	x			x	x	x	x		x
P318.5	x	x			x	x	x	x		x
P318.10	x				x		x	x		x
P318.11	x	(x)			x	x	x	x	x	x
P318.21										x

ECA 32:

	P1 / V1 (0 - 10 V)	P2 / V2 (0 - 10 V)	P3 / V3 (0 - 10 V)
P318.1	x	x	x
P318.2	x	x	x
P318.5	x	x	x
P318.10	x		x
P318.11	x		x
P318.21	x		

ECA 35:

	P1 / V1 (PWM)	P2 / V2 (PWM)	P3 / V3 (PWM)	P4 / V4 (PWM)		P1 / V1 (0 - 10 V)	P2 / V2 (0 - 10 V)	P3 / V3 (0 - 10 V)
P318.1	x	x	x			x	x	x
P318.2	x	x	x			x	x	x
P318.5	x	x	x	x		x	x	x
P318.10	x		x			x		x
P318.11	x		x			x		x
P318.21	x	x				x		

ECA 32 / 35:

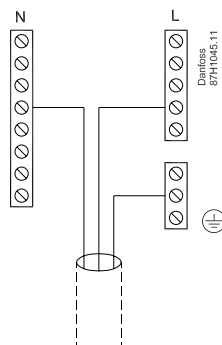
	(R7)	(R8)	(R9)	(R10)
P318.1	X1			
P318.2	X1			
P318.5	X1	P4		
P318.10				
P318.11	X1			
P318.21	X1	X3		

ECL Comfort 310:

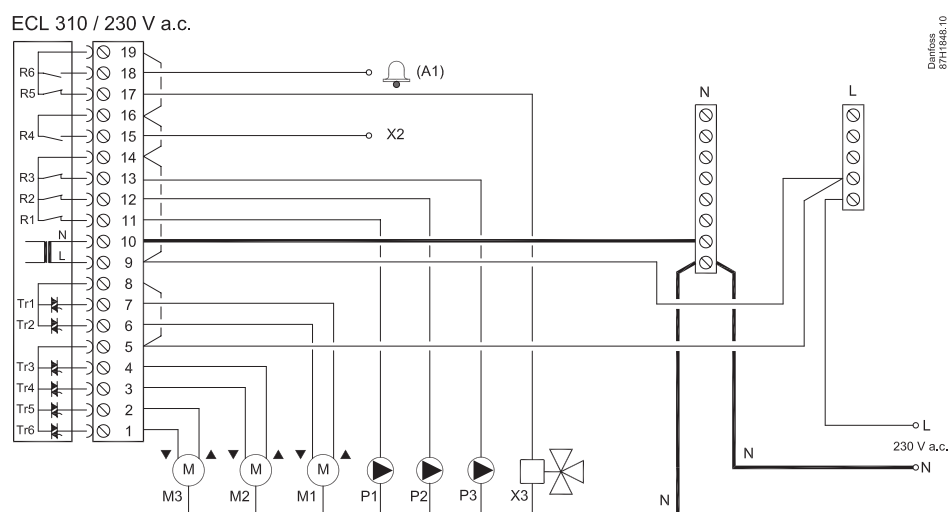
230 V a.c.

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

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

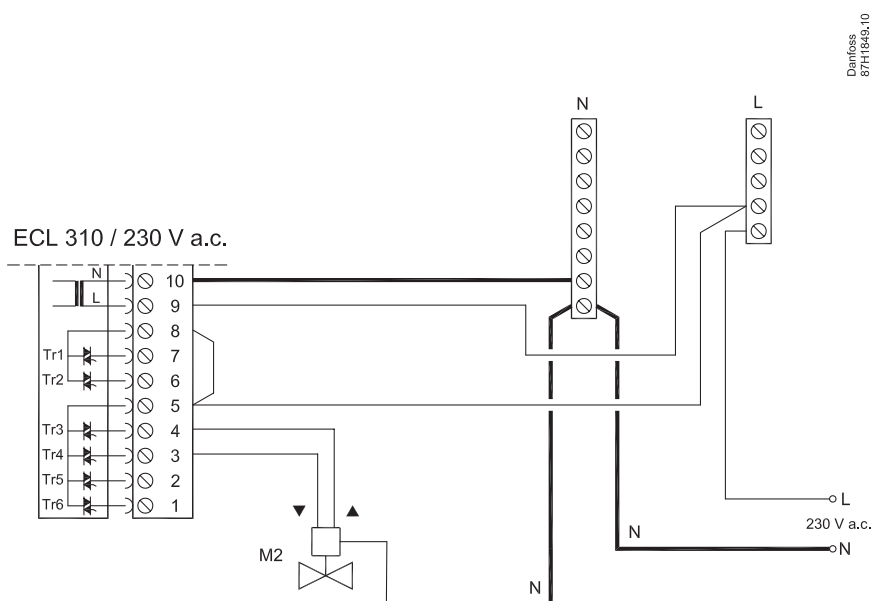


P318, 230 V a.c.

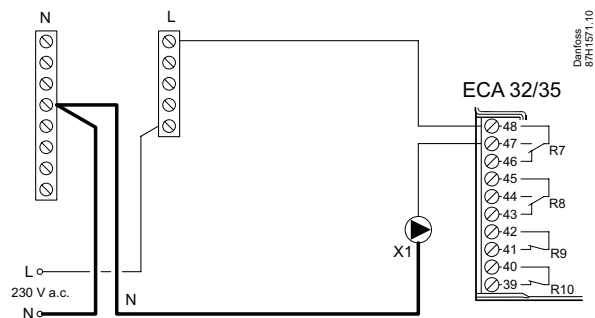


P318.11, 230 V a.c.

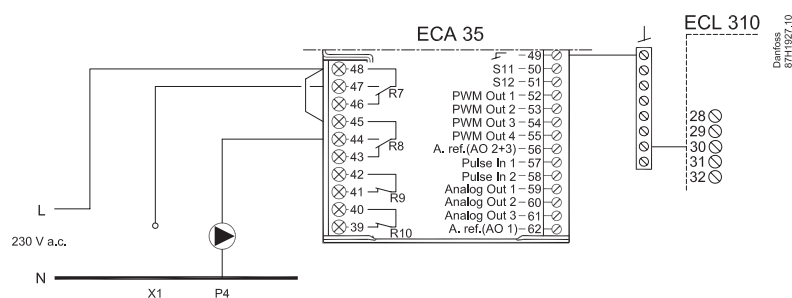
M2



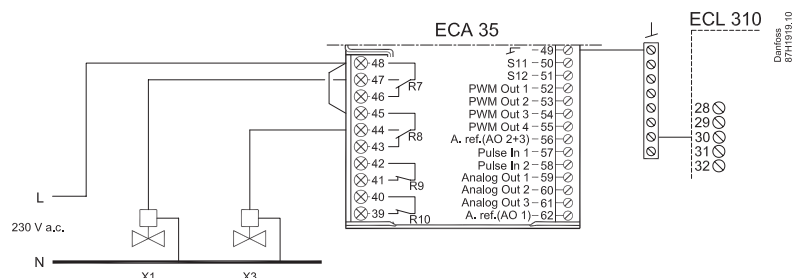
P318, 230 V a.c., ECA 32 / 35, X1



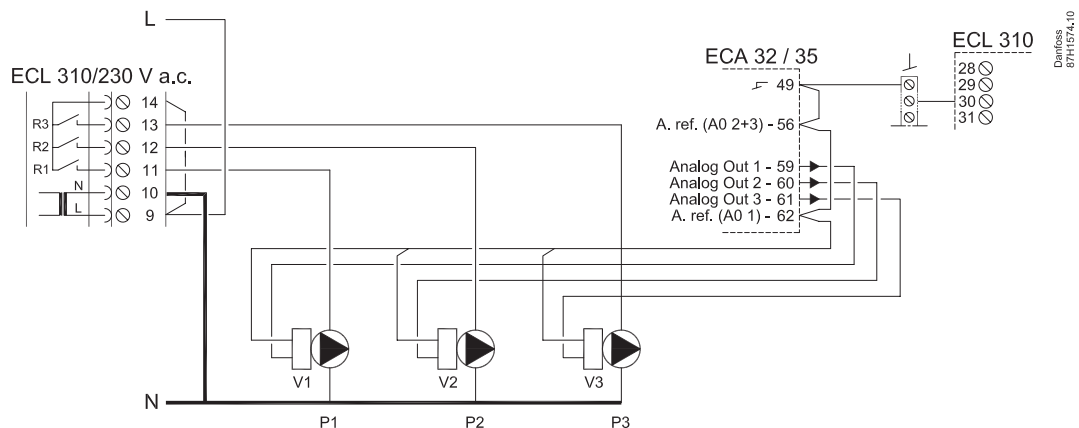
**P318.5, 230 V a.c., ECA 32 / 35
X1, P4**



**P318.21, 230 V a.c., ECA 35
X1, X3**

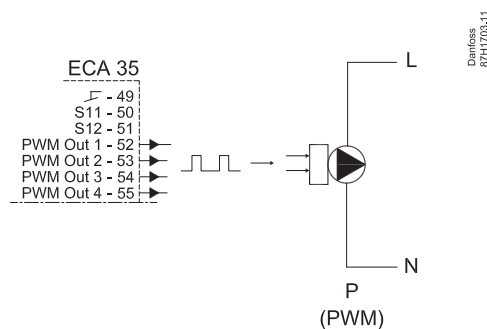


P318, 230 V a.c., ECA 32 / 35, 0 - 10 V

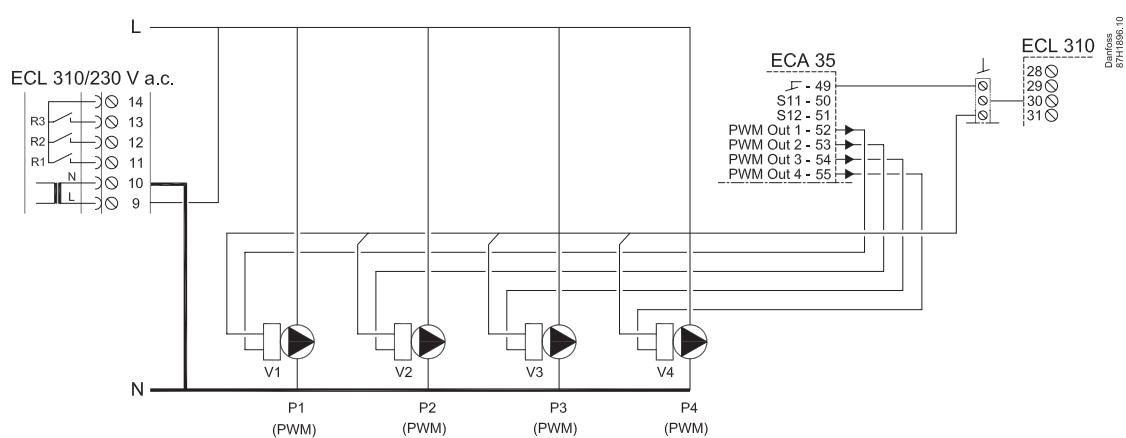


Installation Guide, ECL Comfort 310, P318

P318, 230 V a.c., ECA 35, PWM out

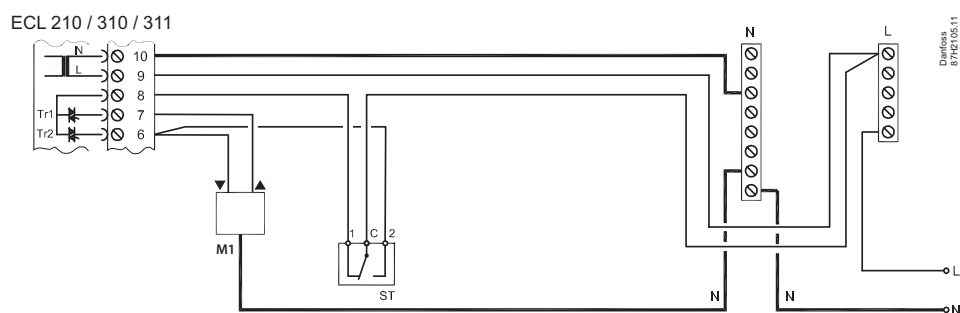


P318, 230 V a.c., ECA 35, PWM out



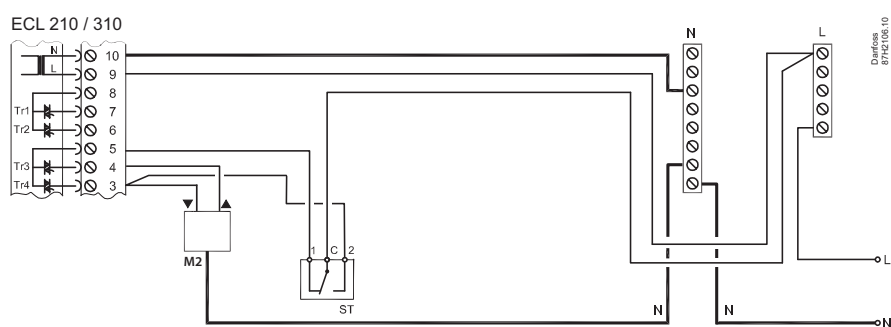
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing



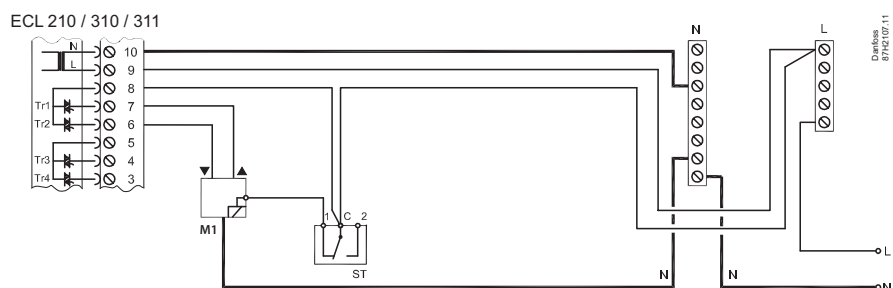
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing



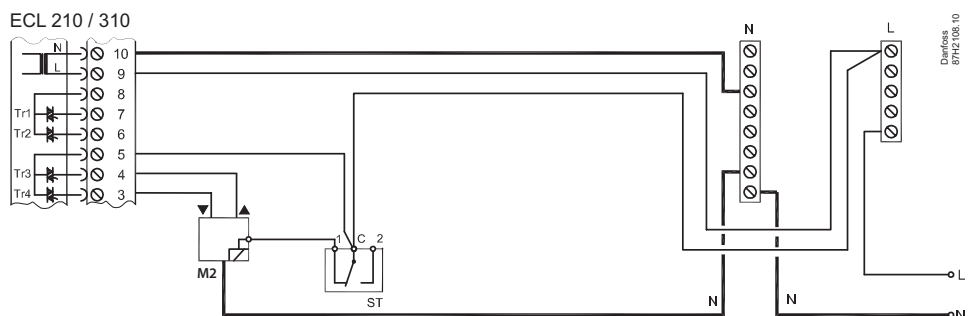
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing



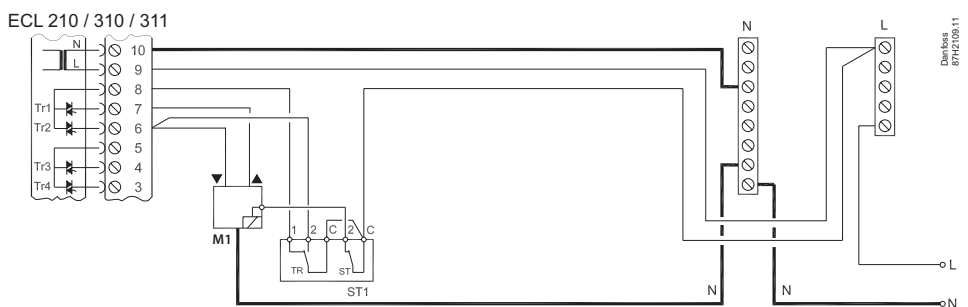
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing



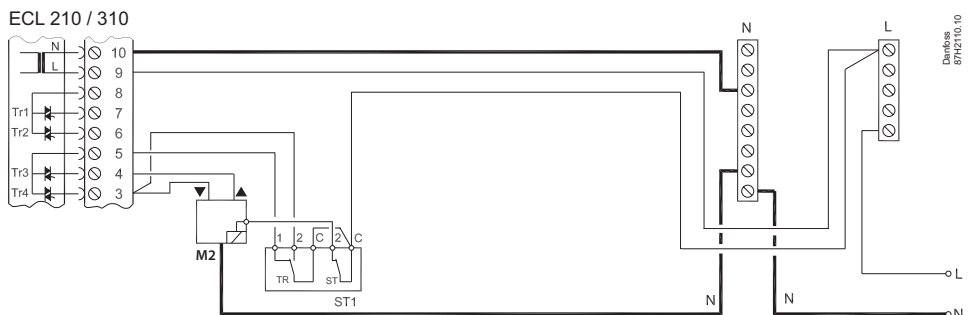
230 V a.c. / 24 V a.c. , safety thermostat

2-step closing



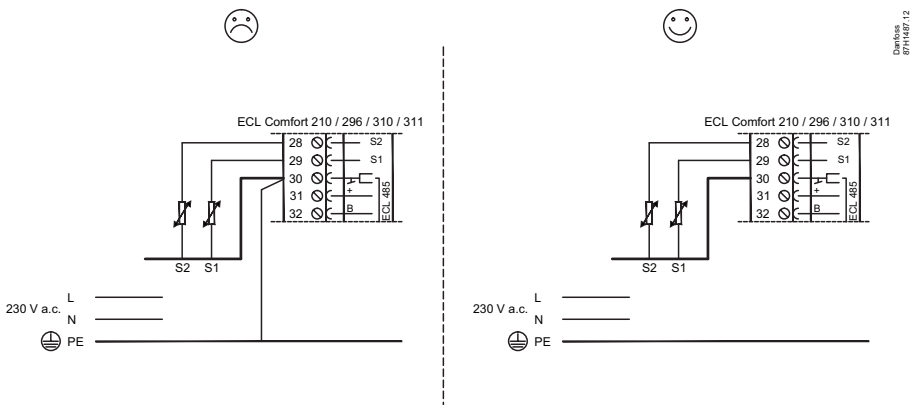
230 V a.c. / 24 V a.c. , safety thermostat

2-step closing



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 **Pt 1000** (1000 Ω / 0 °C)



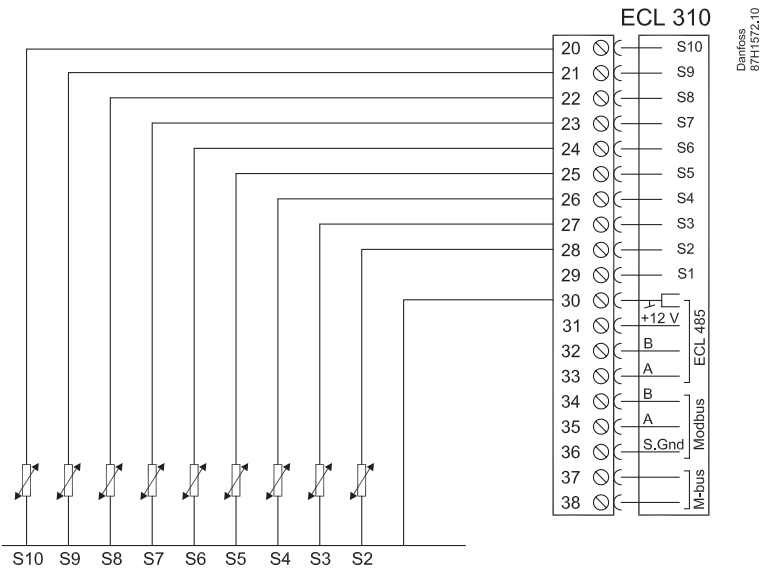
ECL 310 (x = Pt 1000)

	S2	S3	S4	S5	S6	S7	S8	S9	S10
P318.1	X	X		X	X		X	X	
P318.2	X	X	X	X	X		X	X	
P318.5	X	X	X	X	X	X	X	X	
P318.10	X	X		X				X	
P318.11	X	X		X	X		X	X	
P318.21	X	X		X		Pulse			

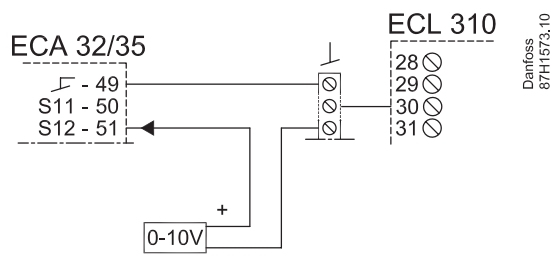
ECA 32 / 35

	S11	S12		F1
P318.1		0 - 10 V		
P318.2		0 - 10 V		
P318.5		0 - 10 V		
P318.10		0 - 10 V		Pulse
P318.11		0 - 10 V		Pulse
P318.21				

P318, S2 - S10



P318, S12 (0 - 10 V)

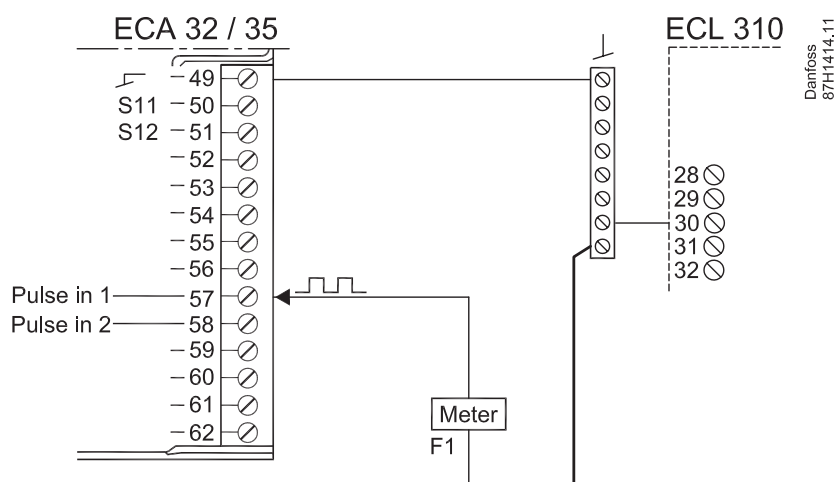


P318

ECA 32 / 35



F1

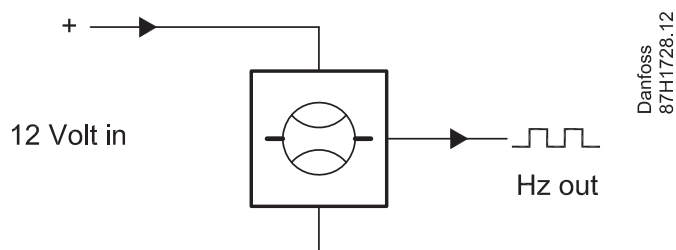


P318

ECA 32 / 35



F1, flow sensor



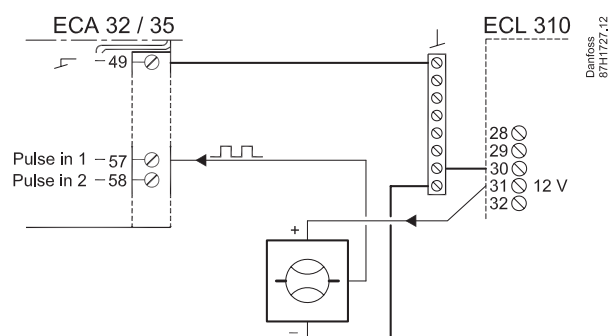
Installation Guide, ECL Comfort 310, P318

P318

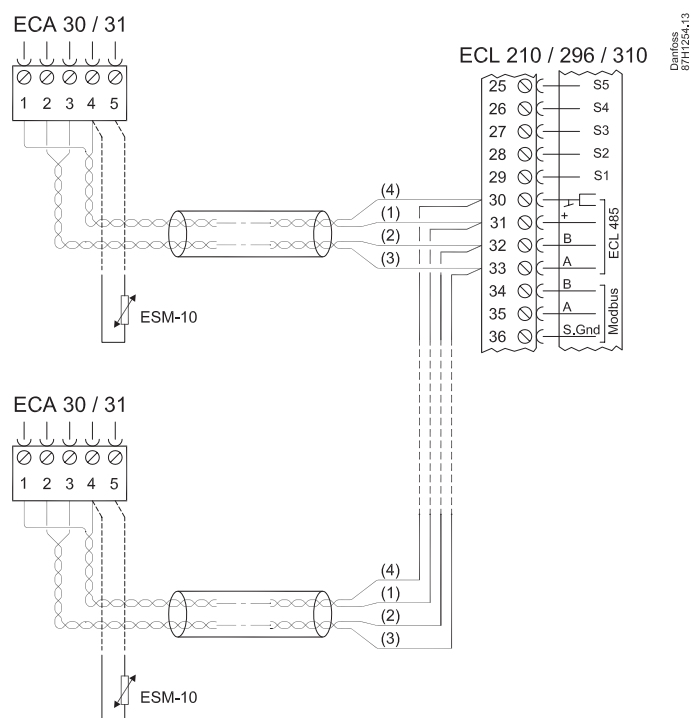
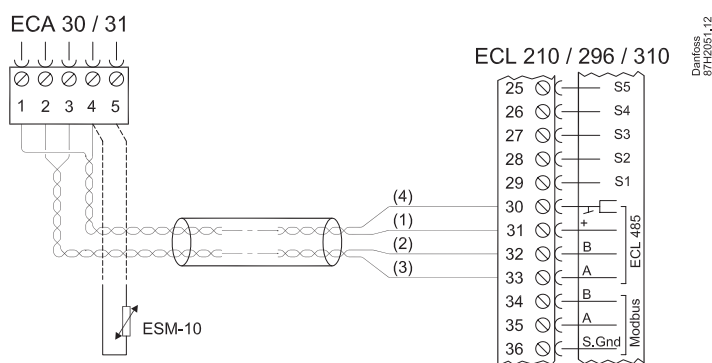
ECA 32 / 35



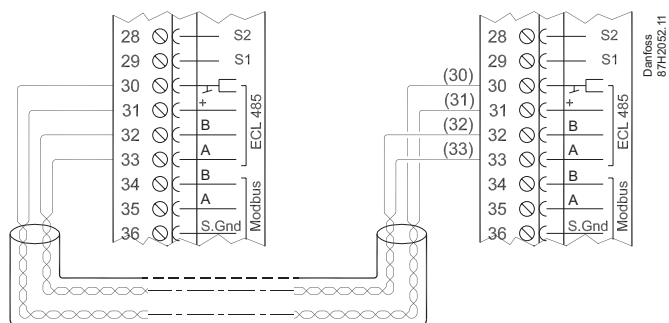
F1, flow sensor



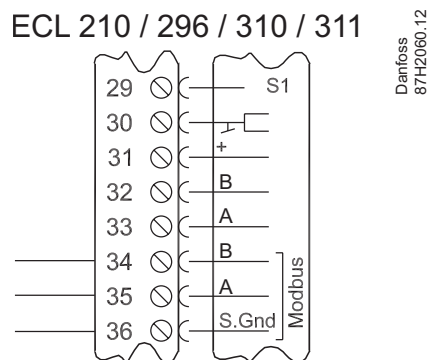
ECA 30 / 31



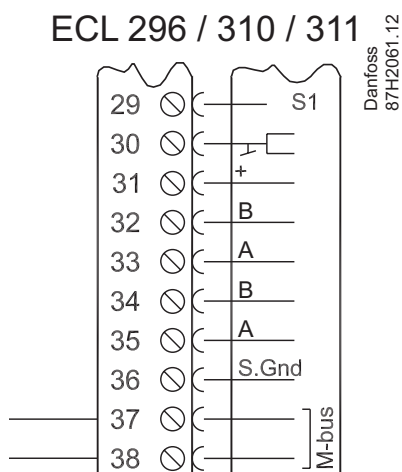
Master / slave



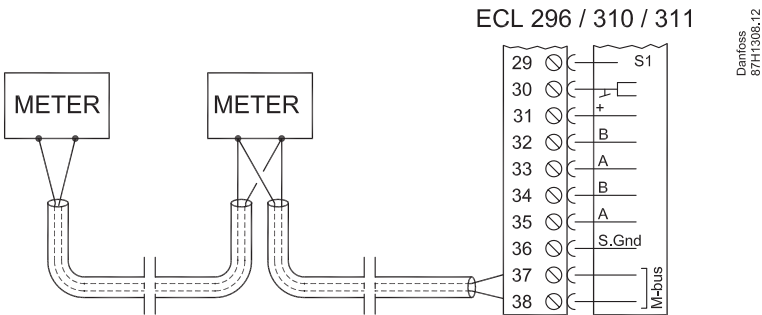
Modbus



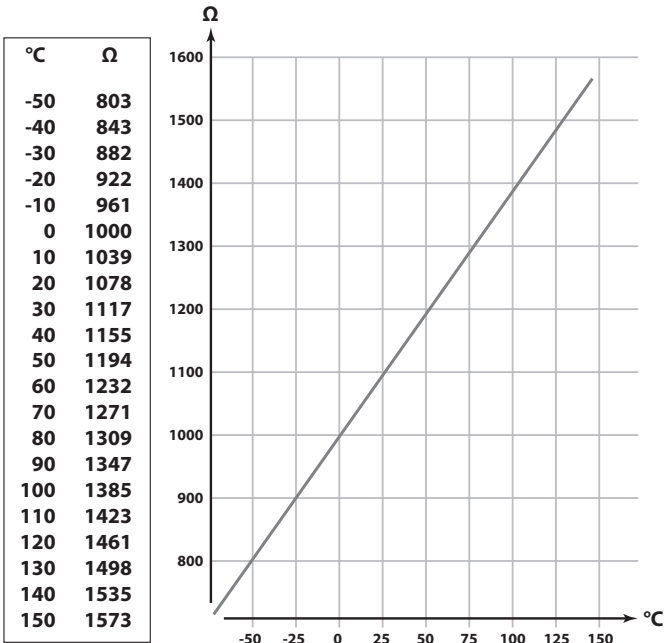
M-bus



M-bus

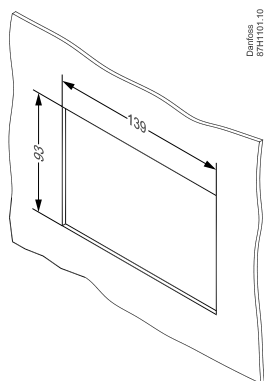


Pt 1000 (IEC 751B, 1000 Ω / 0 °C)

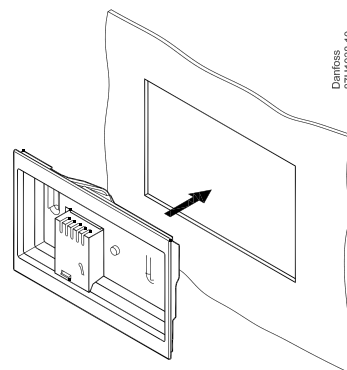


ECA 30

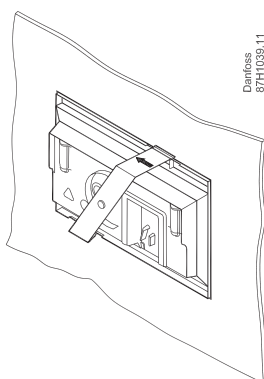
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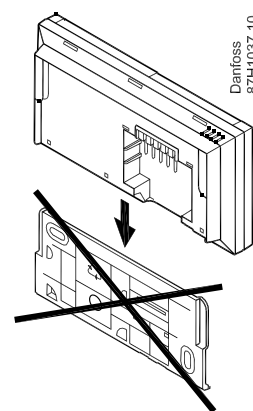
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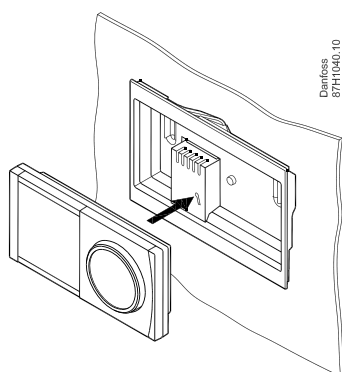
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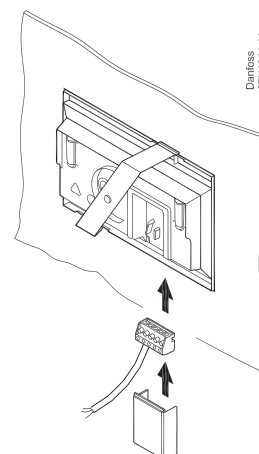
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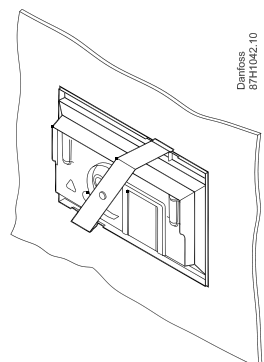
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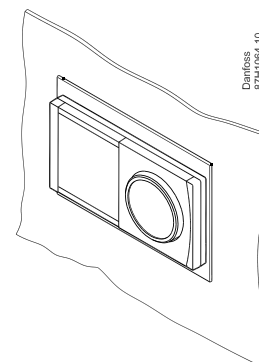
6



7

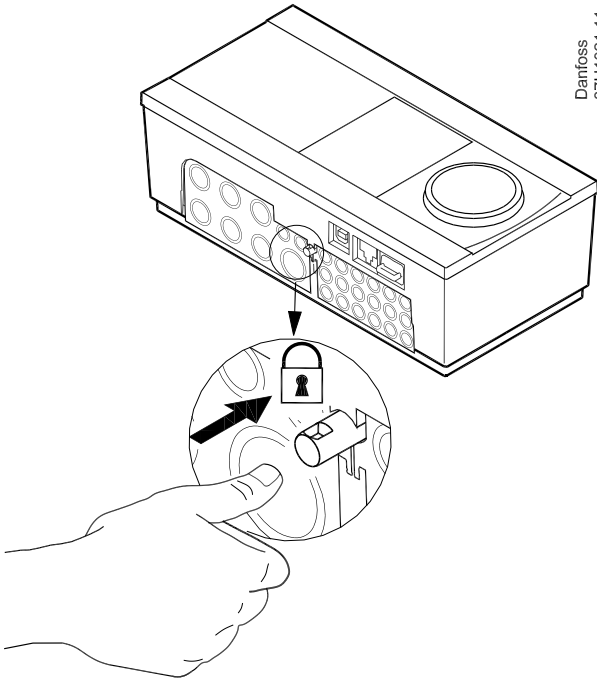


8

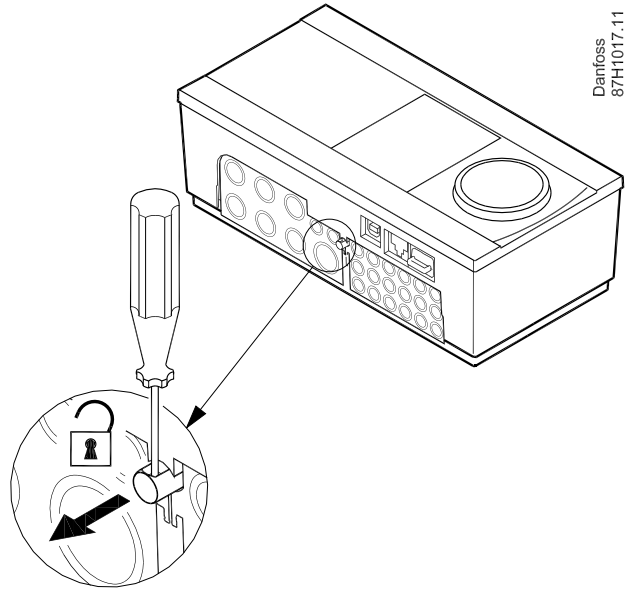


Installation Guide, ECL Comfort 310, P318

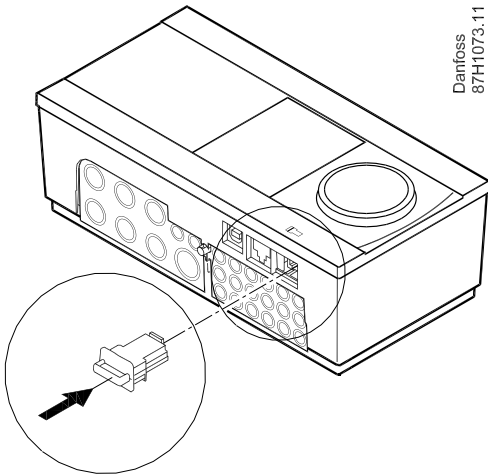
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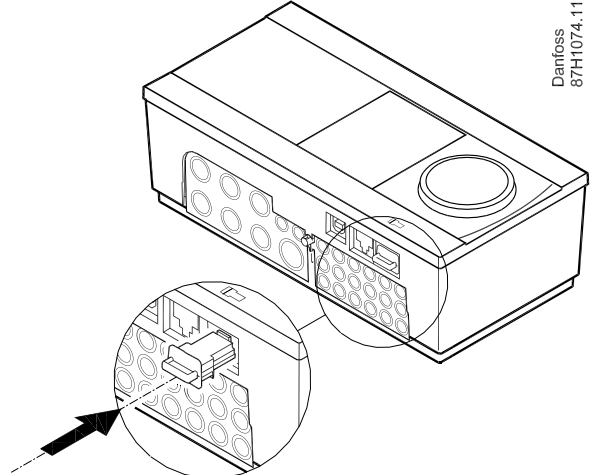
Danfoss
87H1017.11



Danfoss
87H1073.11



Danfoss
87H1074.11



?  **ECL Comfort 310 / 310B: www.danfoss.com**

?  **<https://www.youtube.com/user/DanfossHeating>**
-> Playlists -> How-to Videos -> District Energy installation videos



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