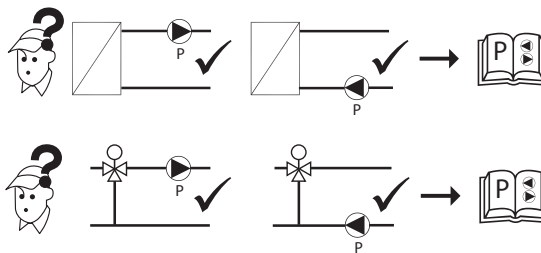
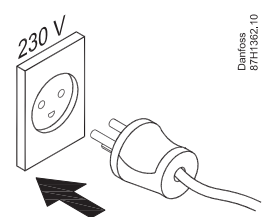
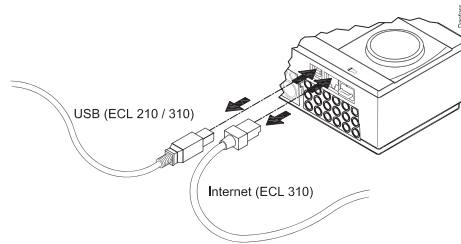
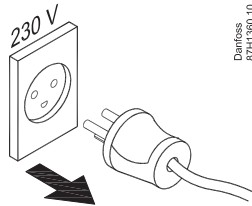
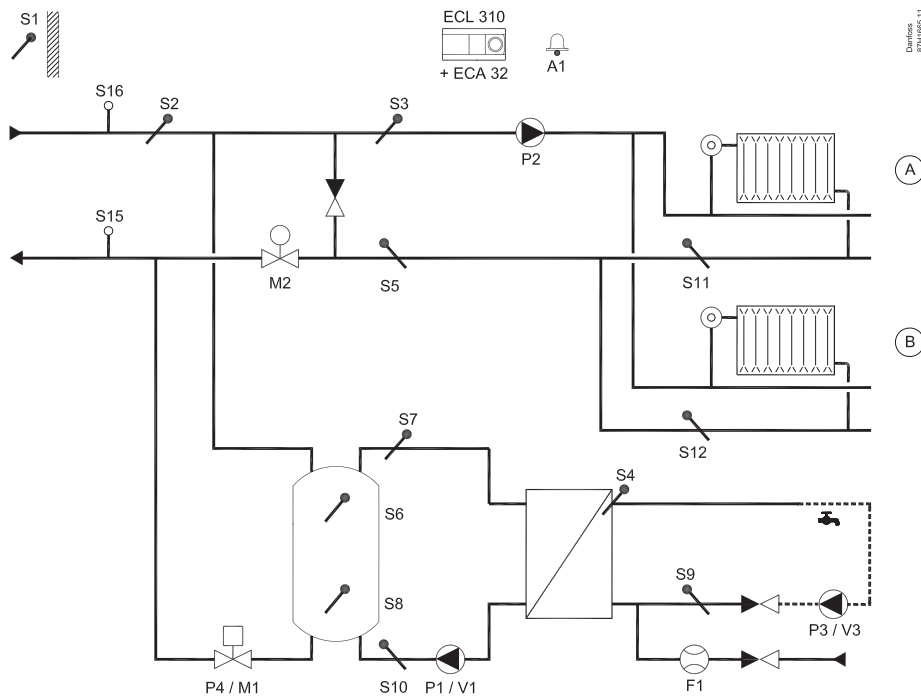


Installation Guide

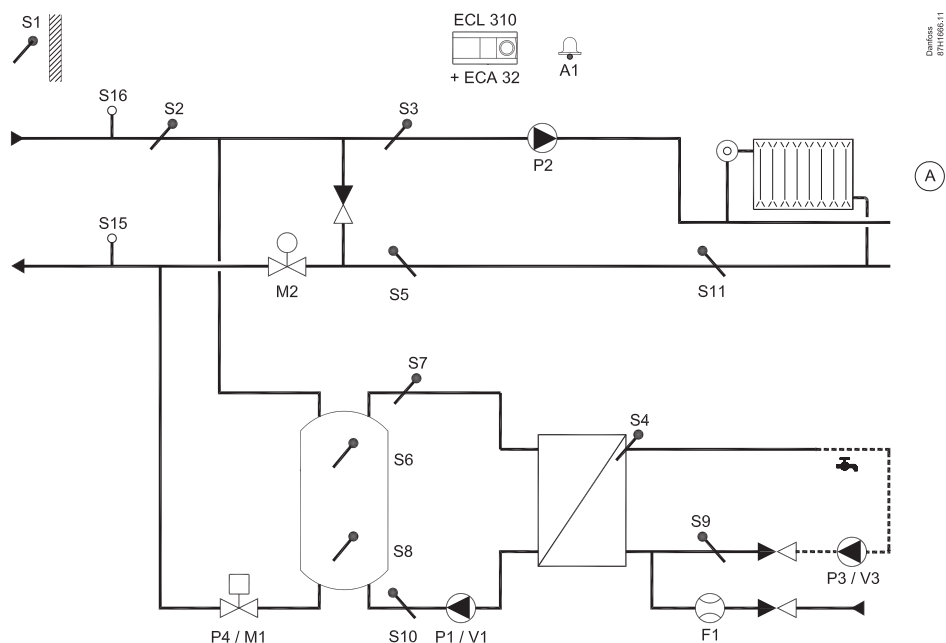
ECL Comfort 310, P348 (code no. 087H3843) (P348.1, P348.2, P348.3)



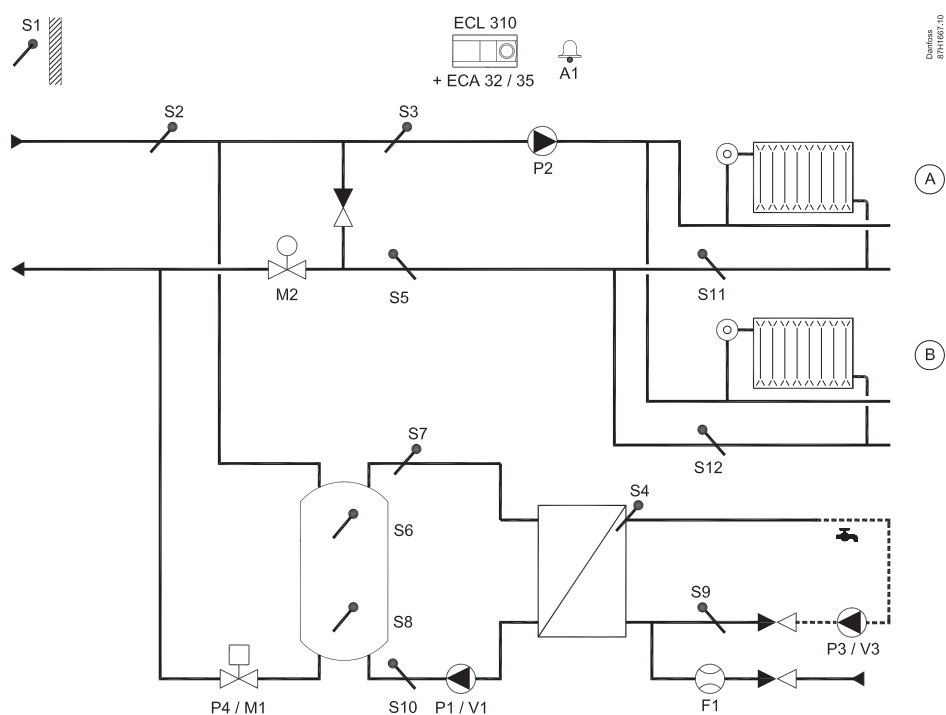
P348.1. ex. a



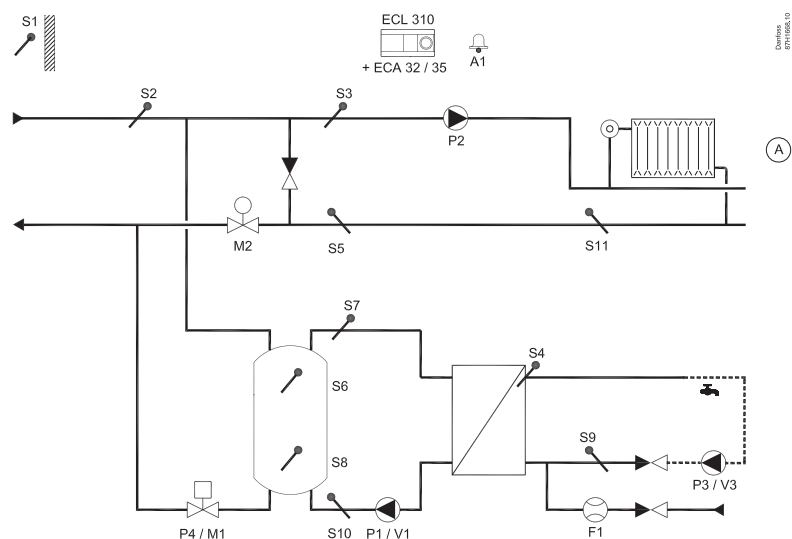
P348.1. ex. b



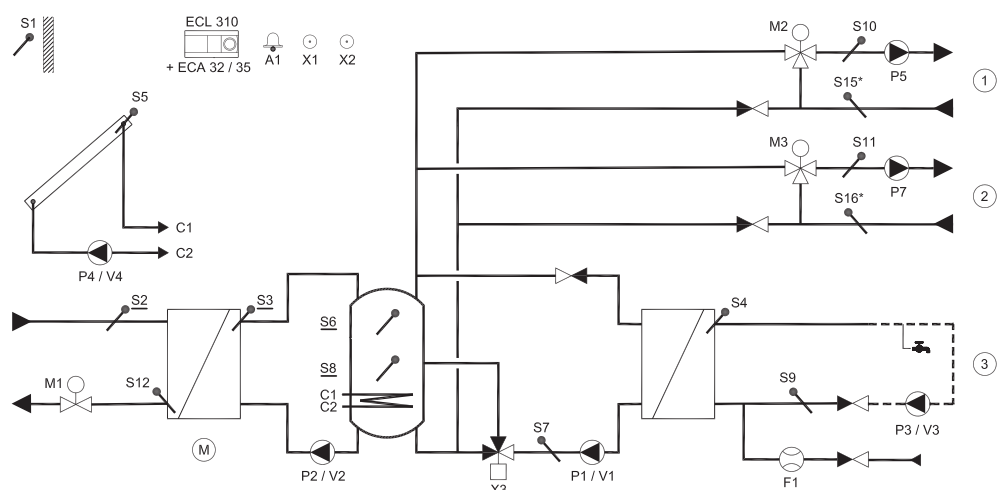
P348.1. ex. c



P348.1. ex. d



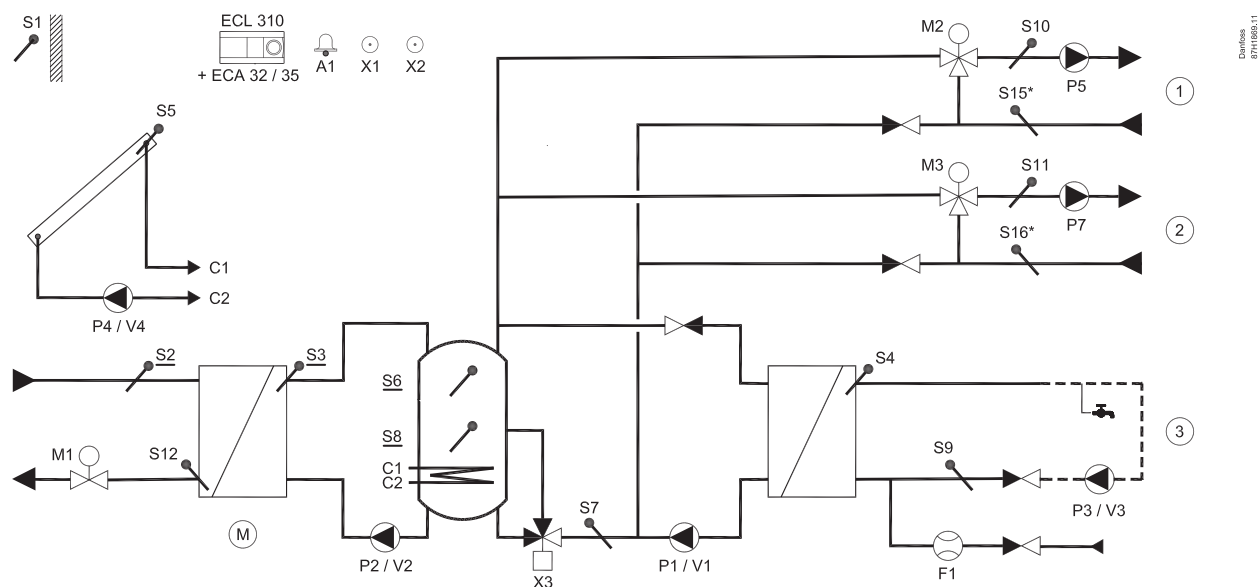
P348.2. ex. a



S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

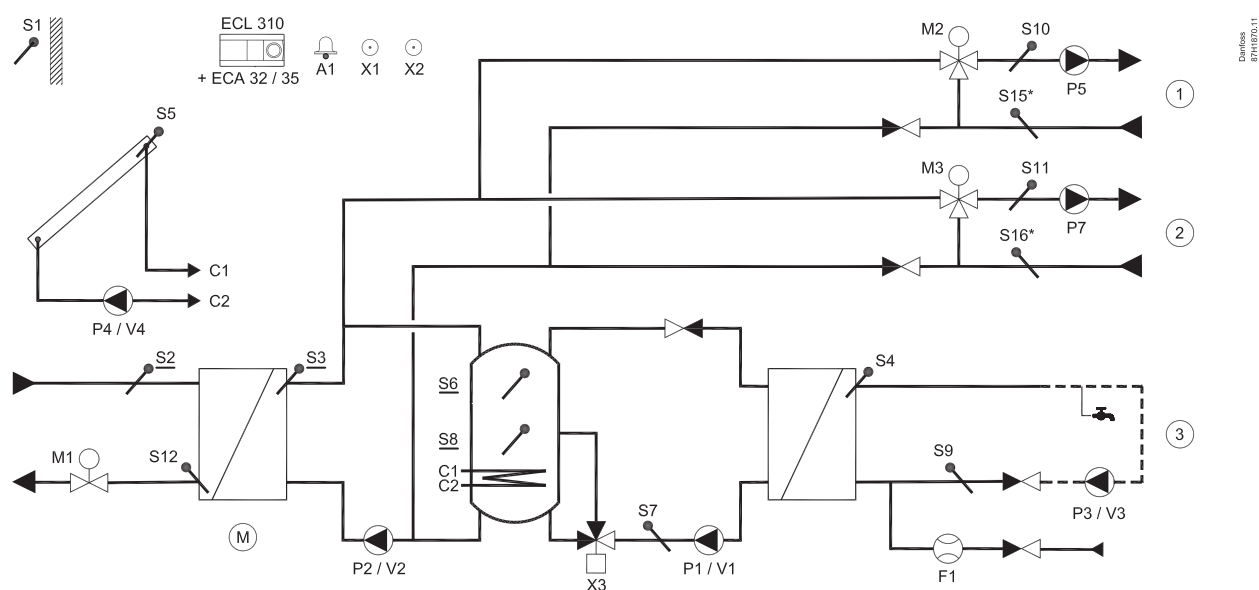
Installation Guide, ECL Comfort 310, P348

P348.2, ex. b



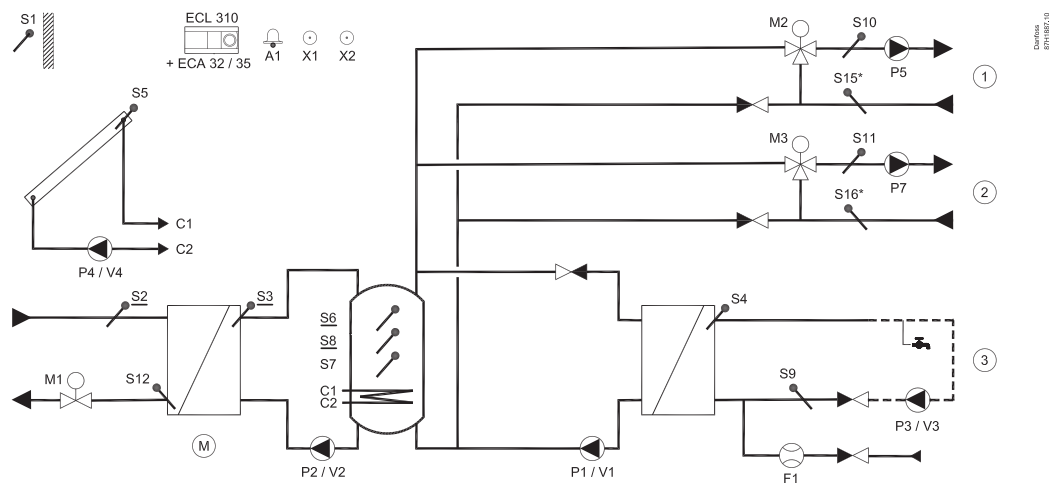
S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

P348.2, ex. c



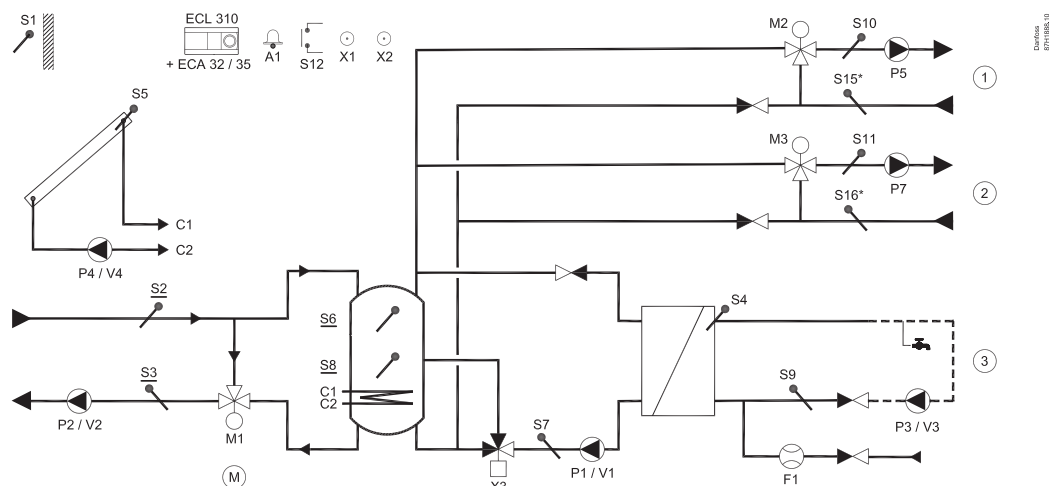
S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

P348.2, ex. d



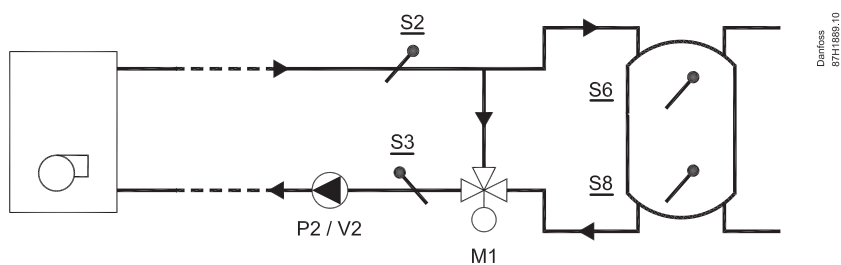
S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

P348.3

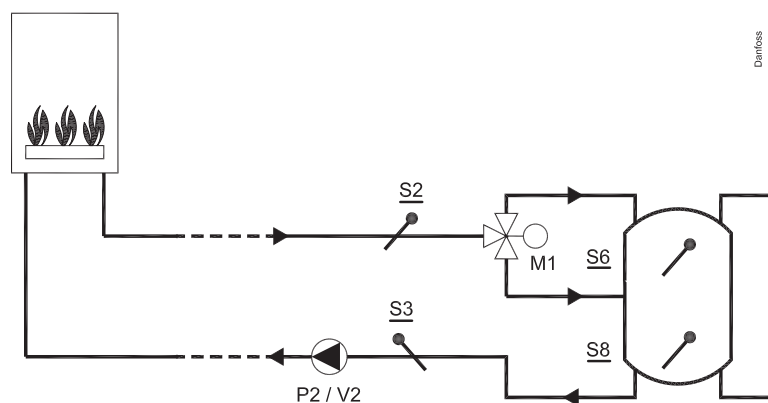


S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

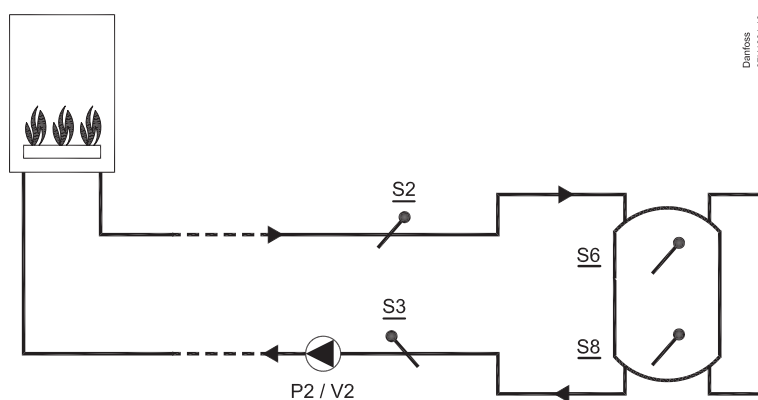
P348.3, ex. a



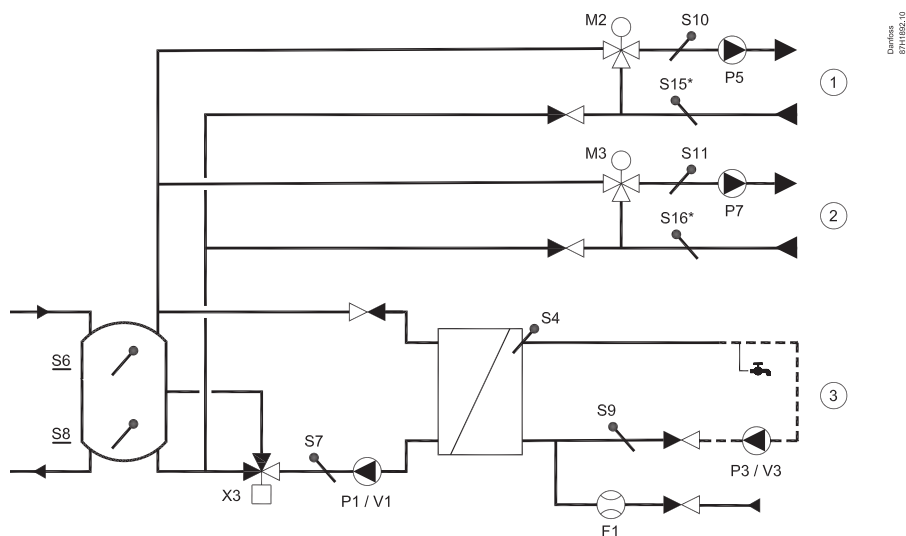
P348.3, ex. b



P348.3, ex. c

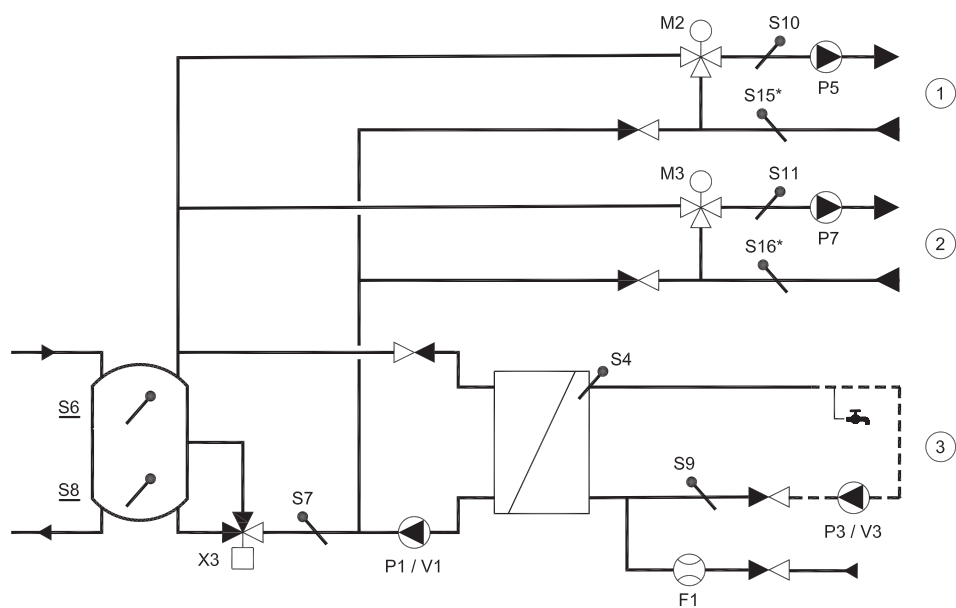


P348.3, ex. 1



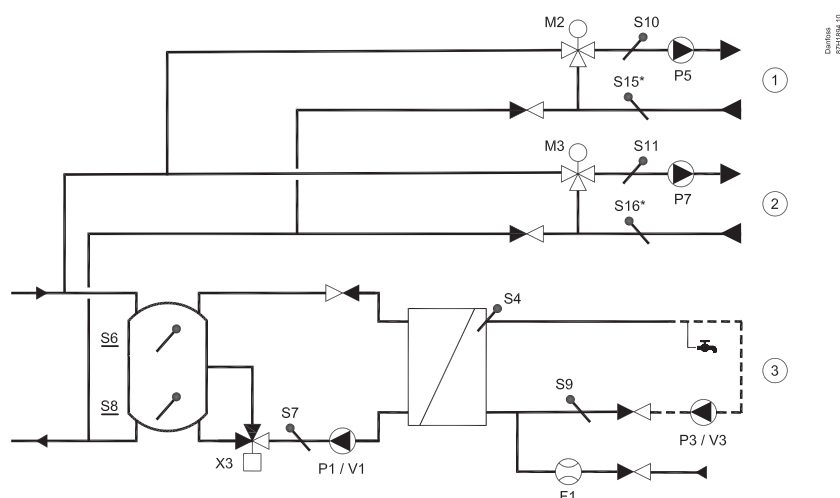
S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

P348.3, ex. 2



S15* / S16*: ECL Comfort 310 + ECA 32
P4 (PWM): ECL Comfort 310 + ECA 35

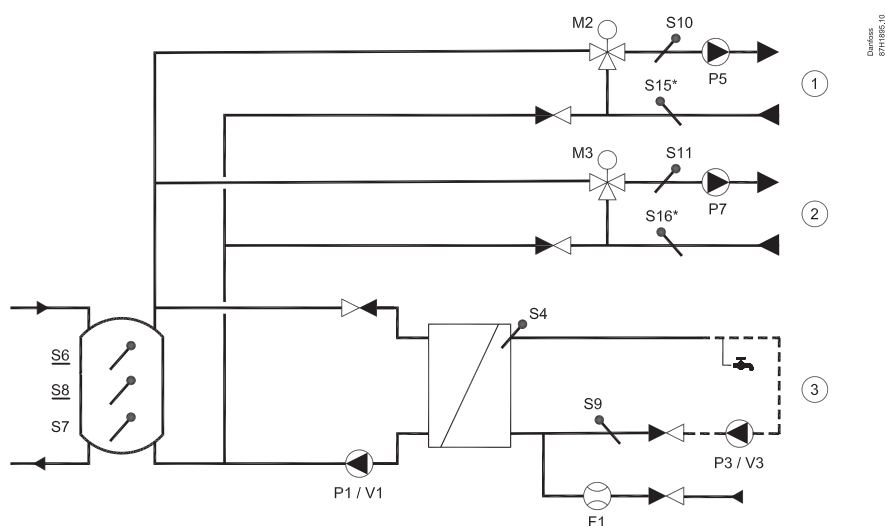
P348.3, ex. 3



S15* / S16*: ECL Comfort 310 + ECA 32

P4 (PWM): ECL Comfort 310 + ECA 35

P348.3, ex. 4



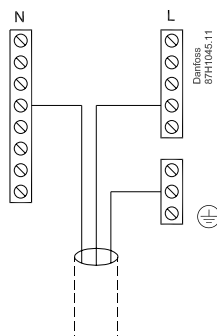
S15* / S16*: ECL Comfort 310 + ECA 32

P4 (PWM): ECL Comfort 310 + ECA 35

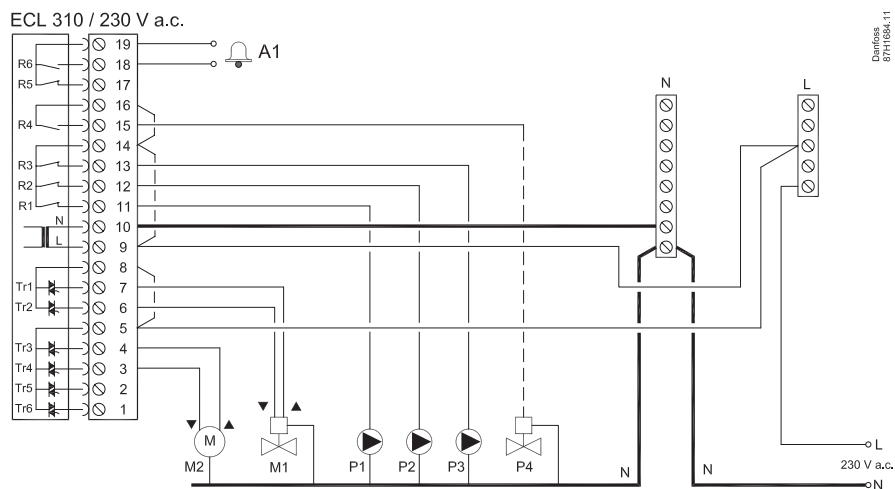
**ECL Comfort 310:
230 V a.c.**

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

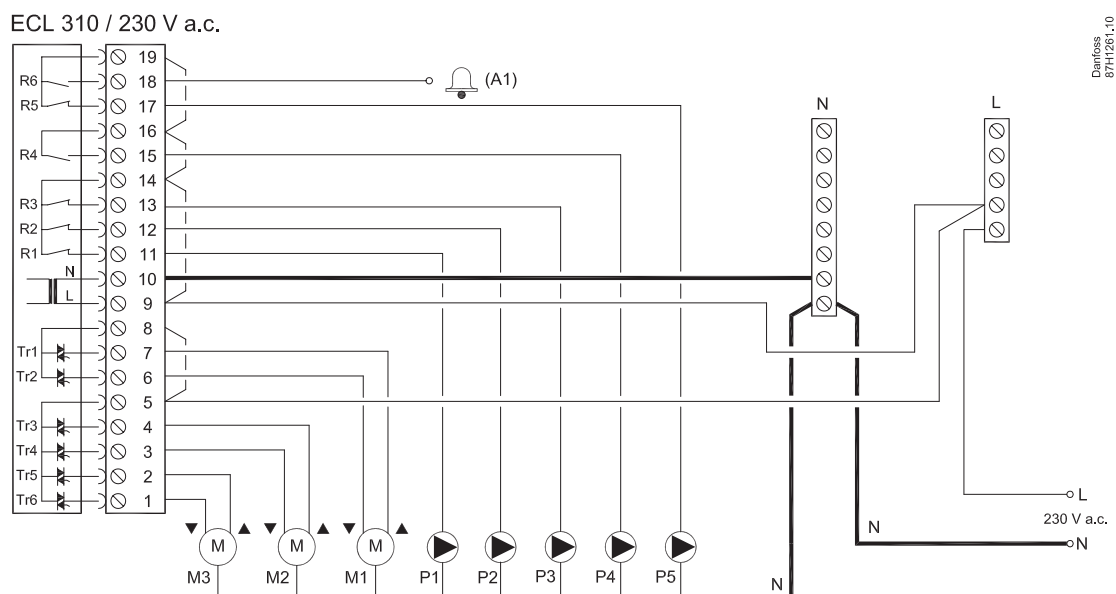
**ECL Comfort 310:
230 V a.c.**



**230 V a.c., P348.1
ECL 310**



230 V a.c., P348.2, P348.3
ECL 310



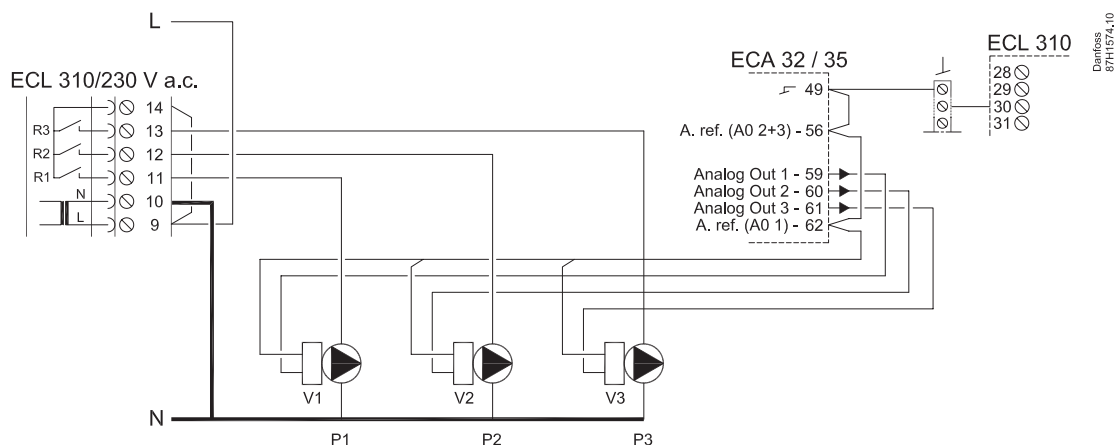
230 V a.c., P348
ECA 32 / 35
V1, V2, V3, V4

ECA 32

	P1 / V1 (0 - 10 V)	P2 / V2 (0 - 10 V)	P3 / V3 (0 - 10 V)
P348.1	x		x
P348.2	x	x	x
P348.3	x	x	x

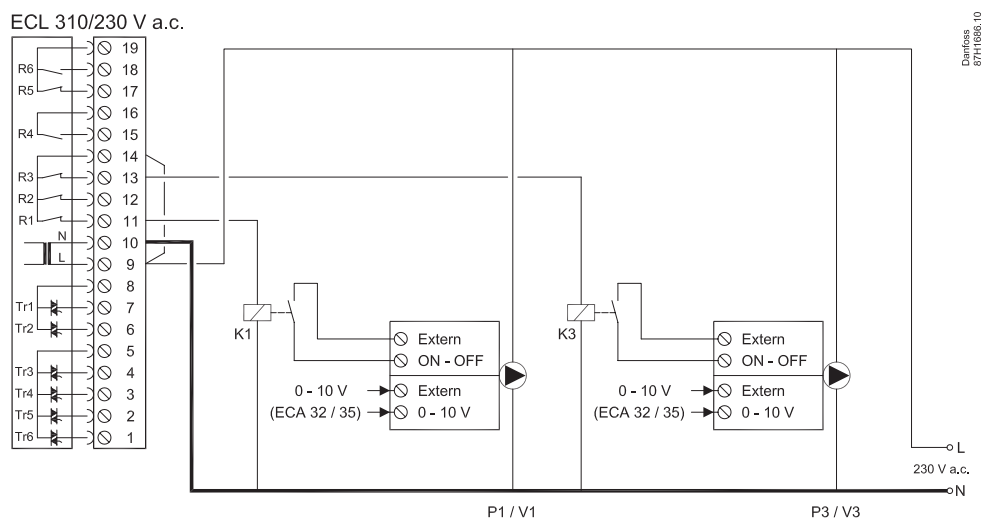
ECA 35

	P1 / V1 (PWM Out-1)	P2 / V2 (PWM Out-2)	P3 / V3 (PWM Out-3)	P4 / V4 (PWM Out-4)
P348.1	x		x	
P348.2	x	x	x	x
P348.3	x	x	x	x



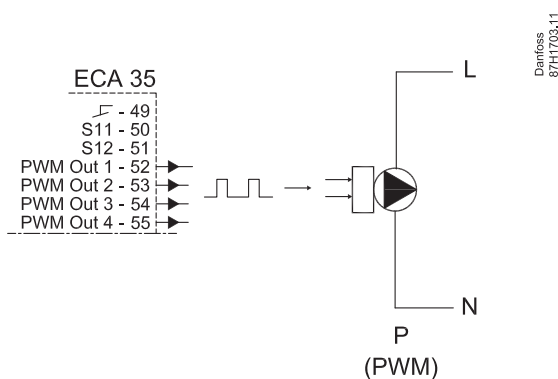
230 V a.c., P348.1

ECA 32 / 35



230 V a.c., P348

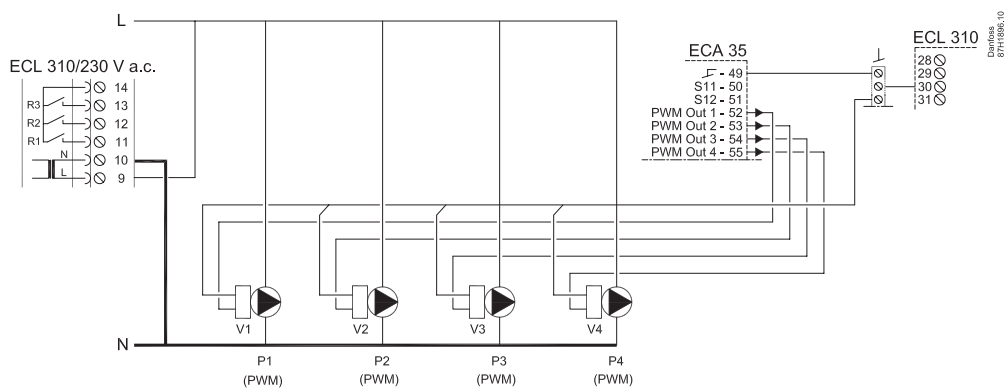
ECA 35, PWM out



230 V a.c., P348

ECA 35 (PWM)

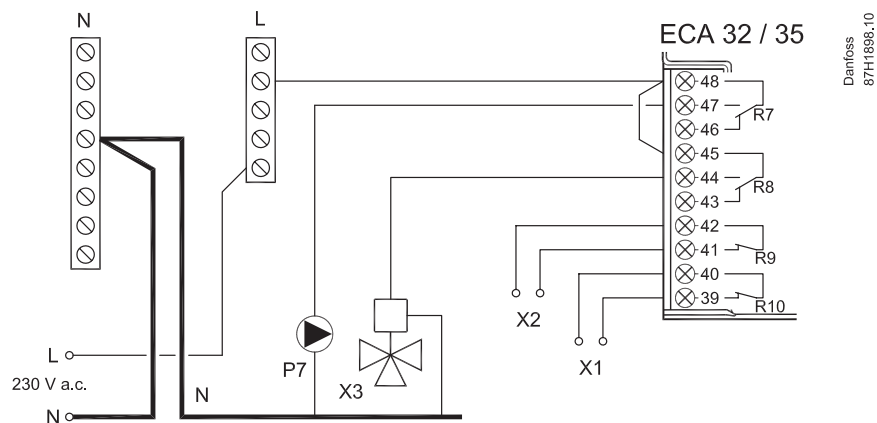
V1, V2, V3, V4



Installation Guide, ECL Comfort 310, P348

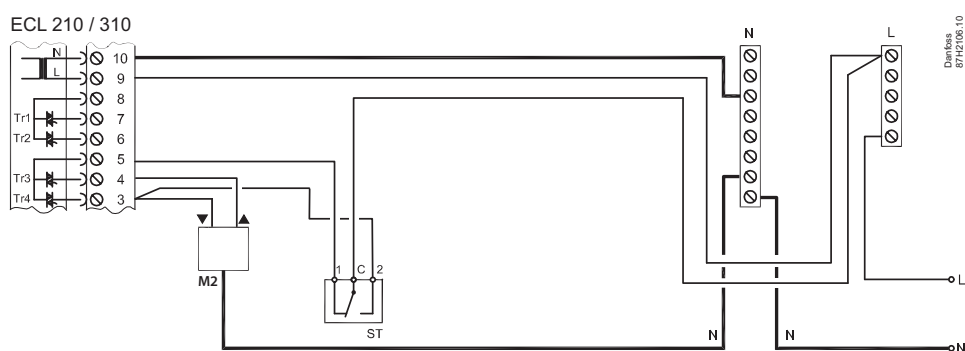
P348

X1, X2, X3



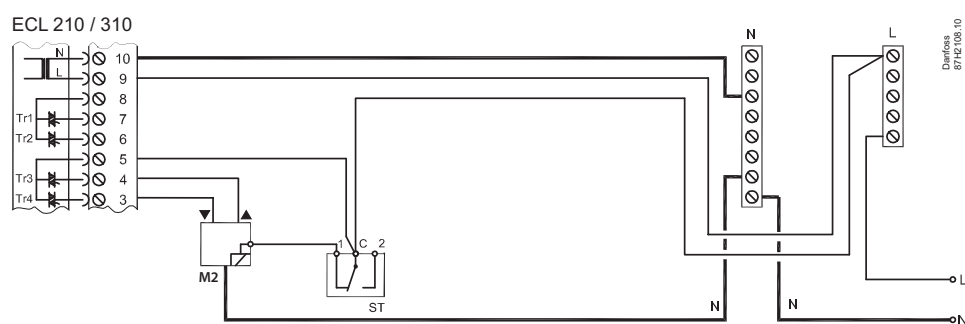
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing



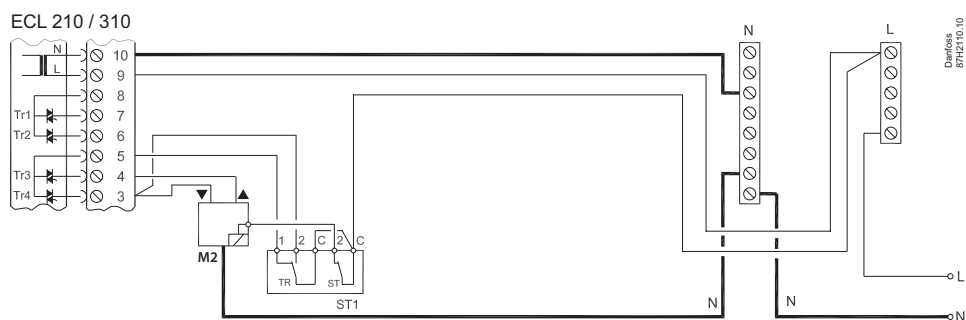
230 V a.c. / 24 V a.c. , safety thermostat

1-step closing

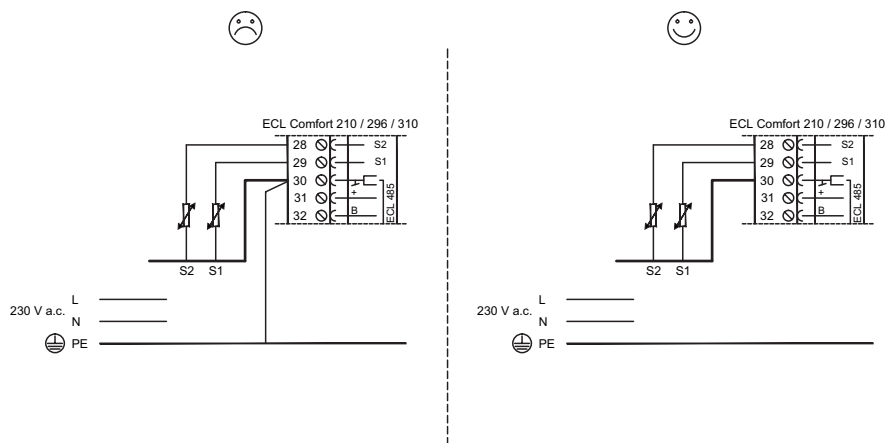


Installation Guide, ECL Comfort 310, P348

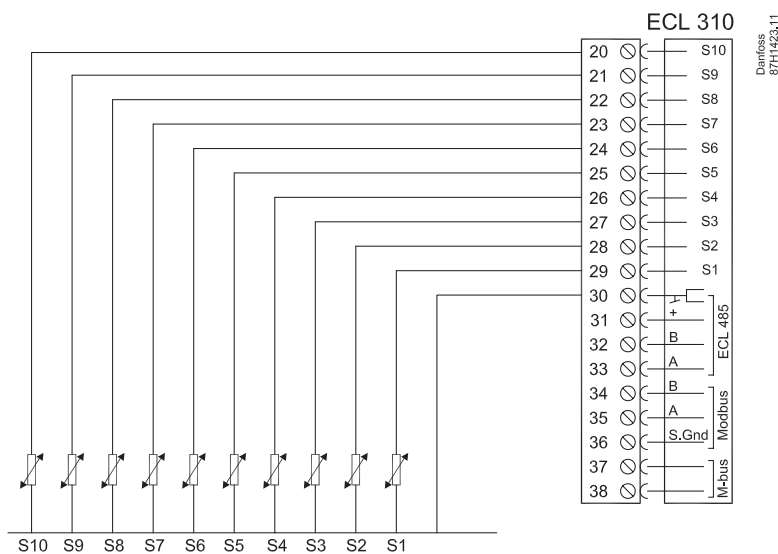
230 V a.c. / 24 V a.c. , safety thermostat
2-step closing



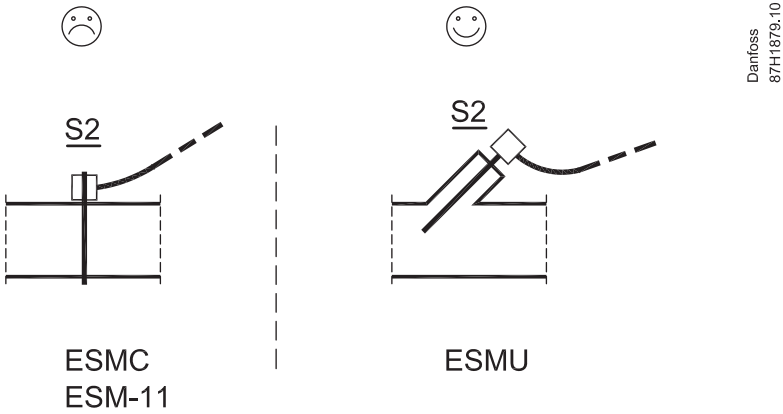
Pt 1000 (1000 Ω / 0 °C)



P348
S1 ... S10



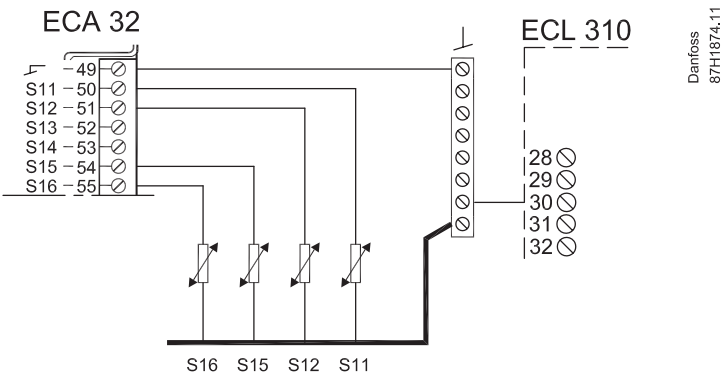
P348.2, P348.3
S2



ECA 32

	S11	S12	S13	S14	S15	S16
P348.1	x	x				
P348.2	x	x			x	x
P348.3	x				x	x

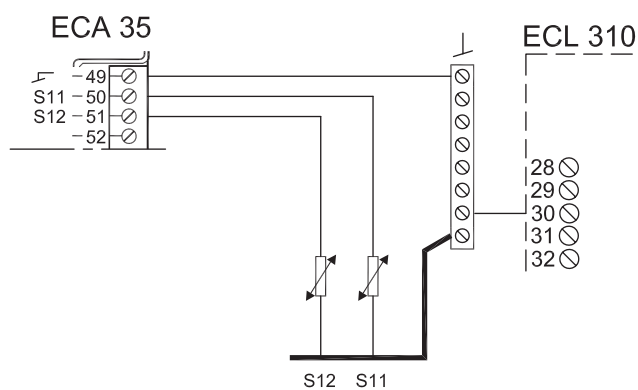
x = Pt 1000



ECA 35

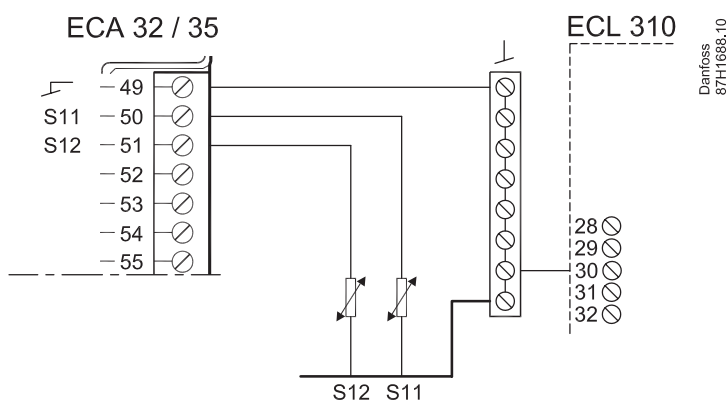
	S11	S12
P348.1	x	x
P348.2	x	x
P348.3	x	

x = Pt 1000

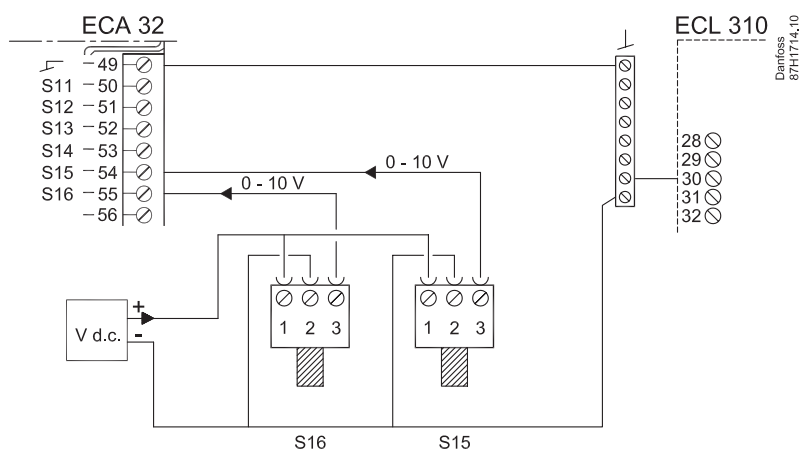


Danfoss
87H1875.11

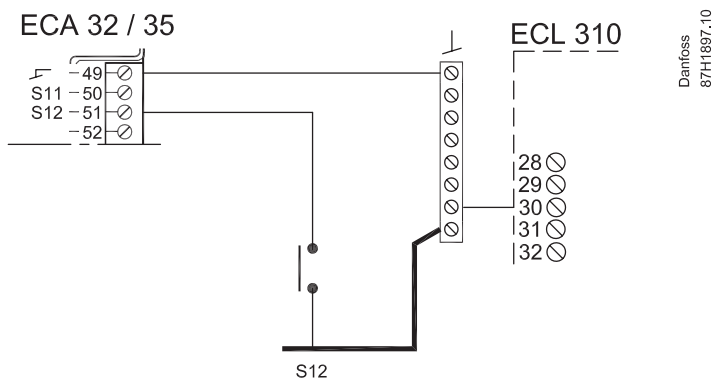
P348.1
S11, S12
ECA 32 / 35



P348.1
S15, S16, (0 - 10 V)
ECA 32



P348.3
S12

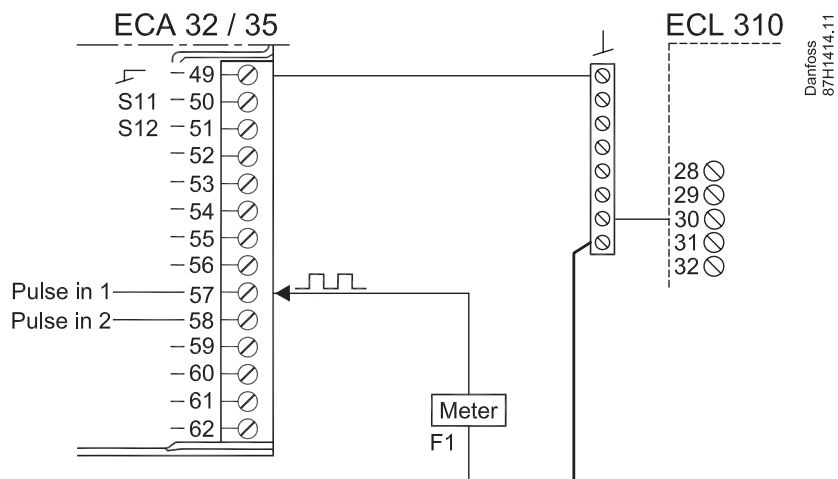


P348

ECA 32 / 35



F1

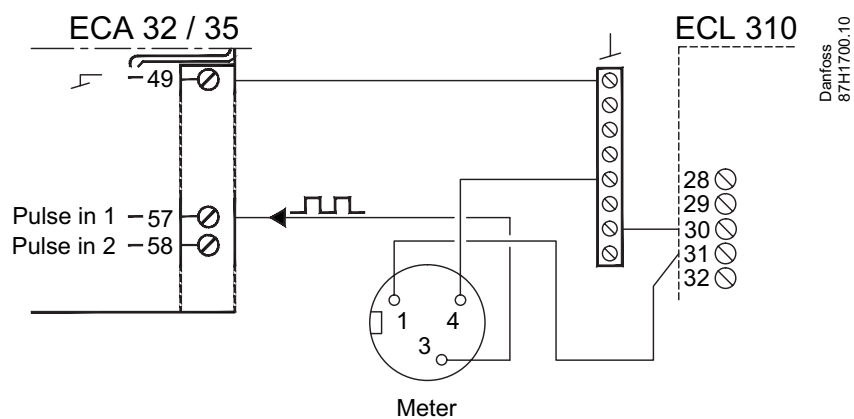


P348

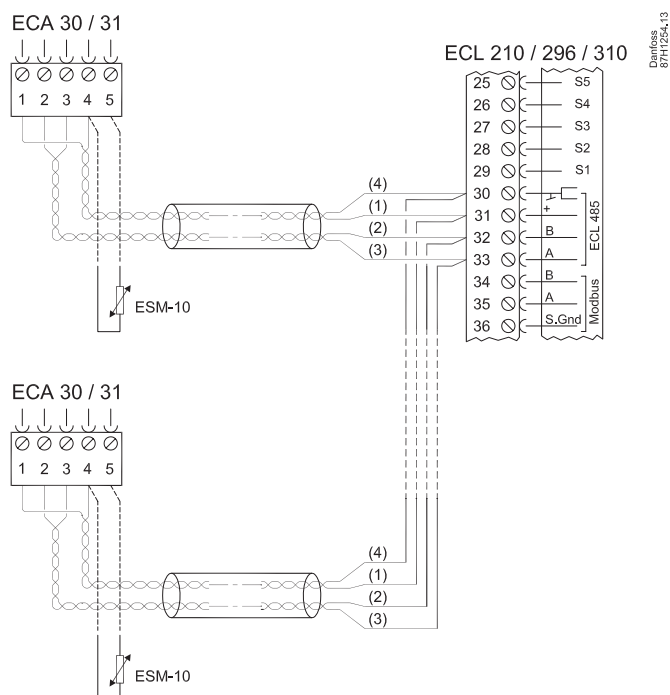
ECA 32 / 35



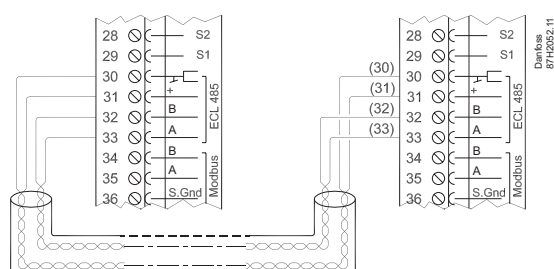
F1



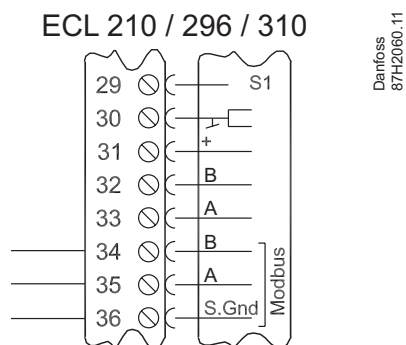
ECA 30 / 31



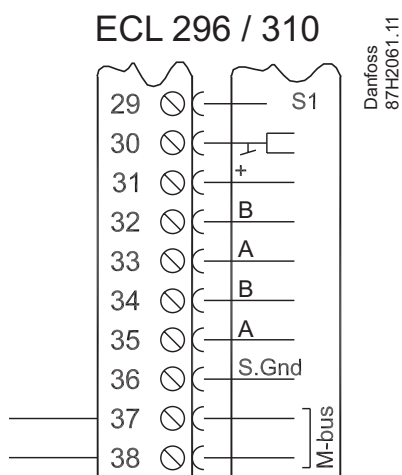
Master / slave



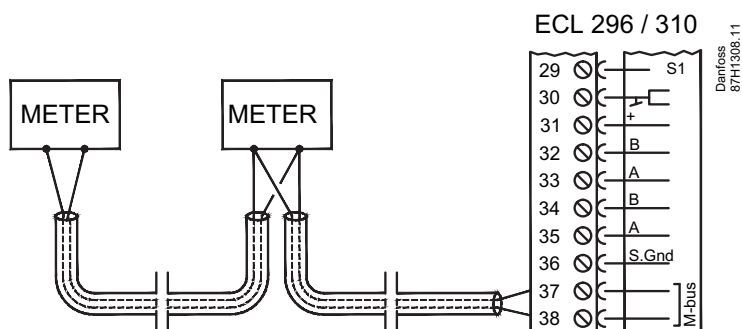
Modbus



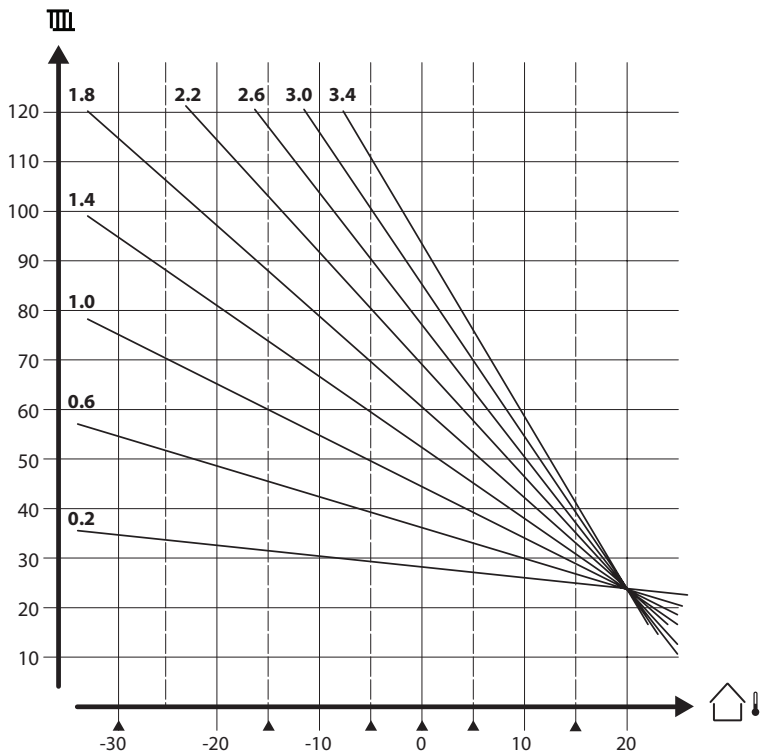
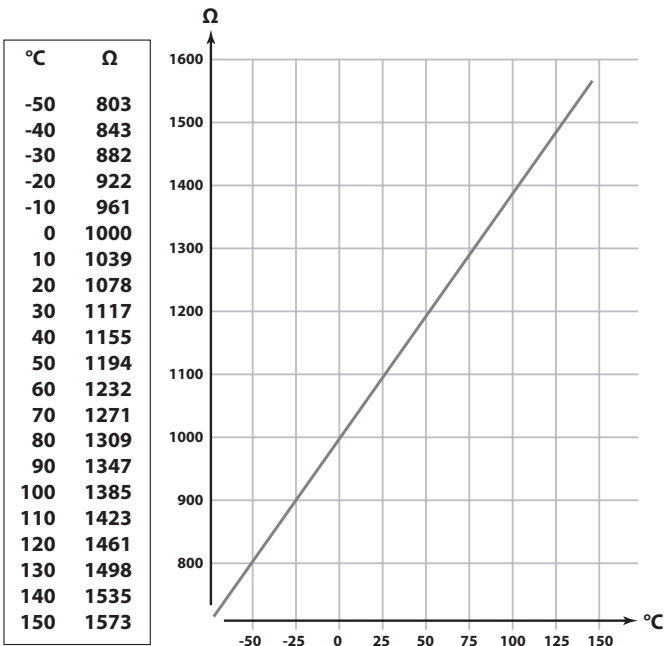
M-bus



M-bus

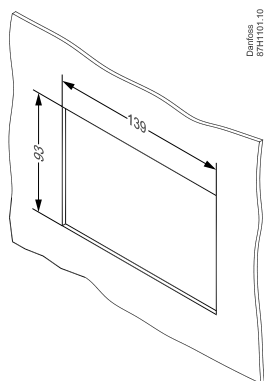


Pt 1000 (IEC 751B, 1000 Ω / 0 °C)

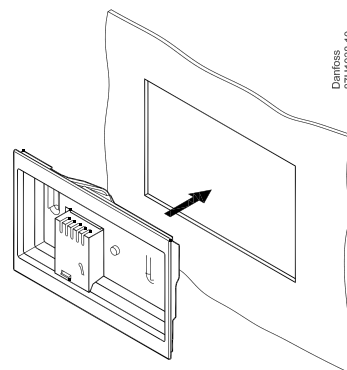


ECA 30

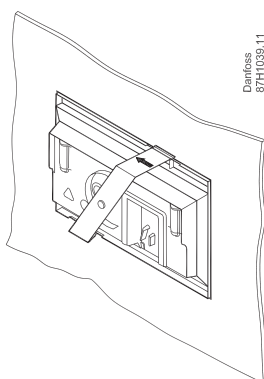
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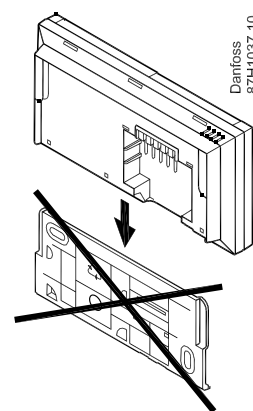
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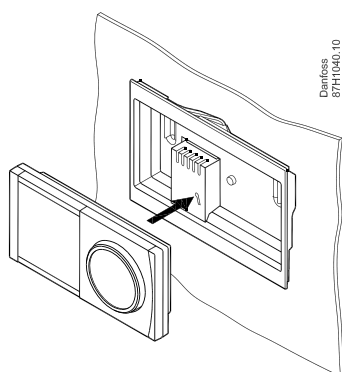
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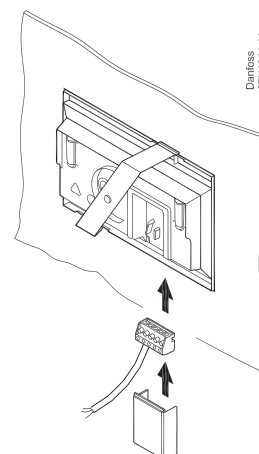
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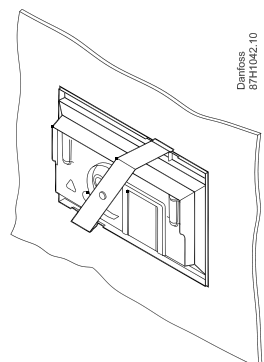
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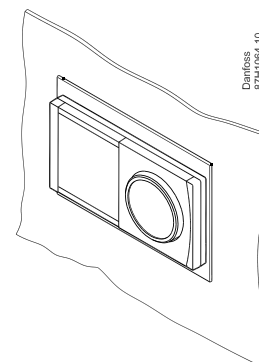
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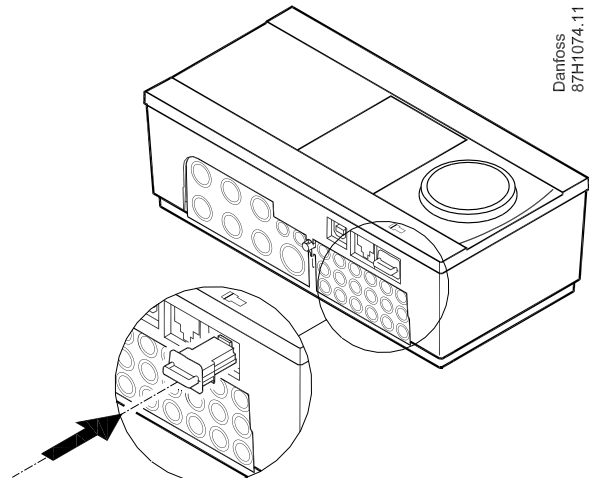
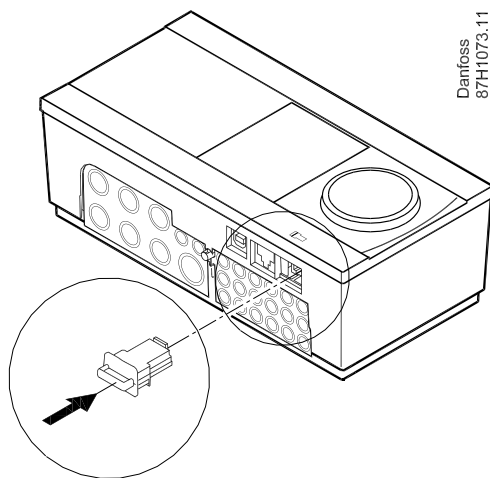
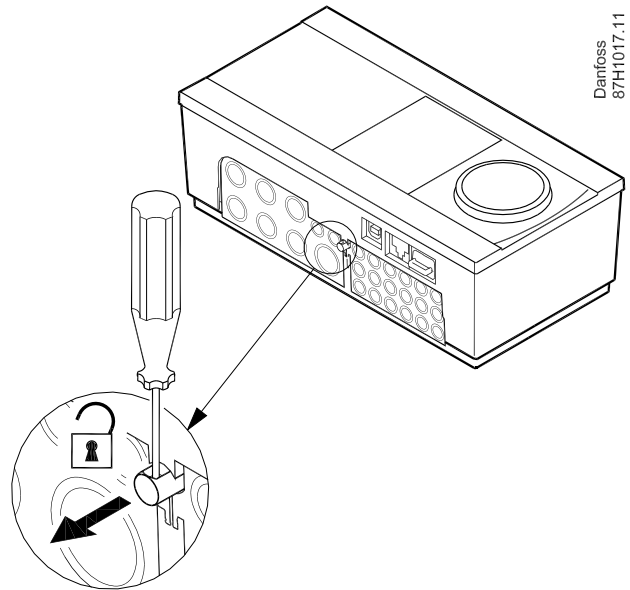
7



8



Installation Guide, ECL Comfort 310, P348



?  **ECL Comfort 310, P348: www.heating.danfoss.com**

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



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