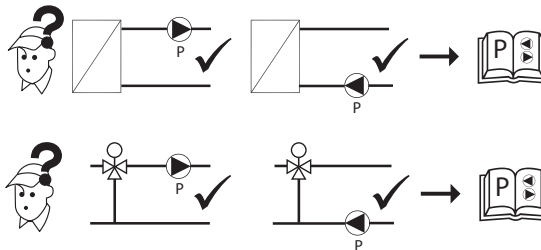
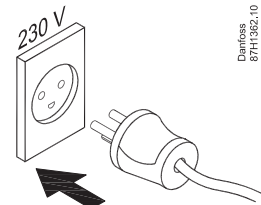
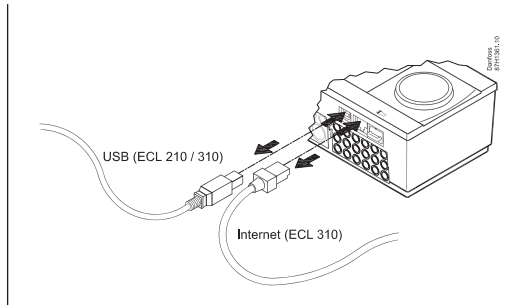
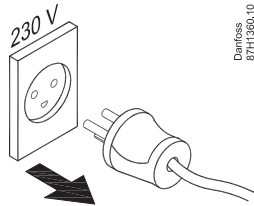
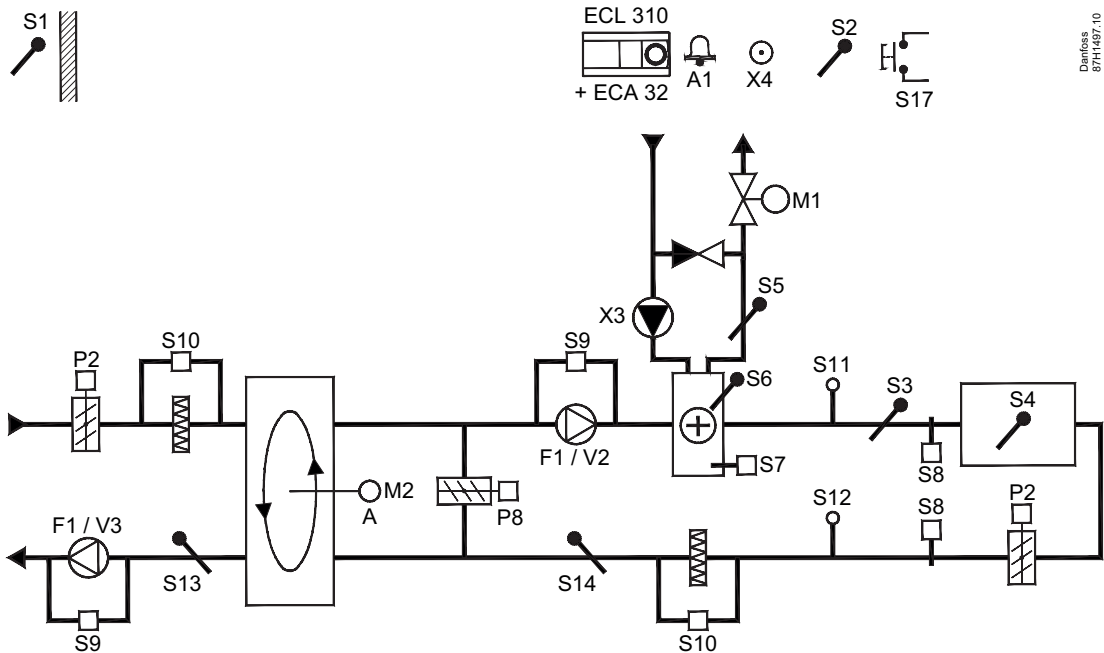


## Installation Guide

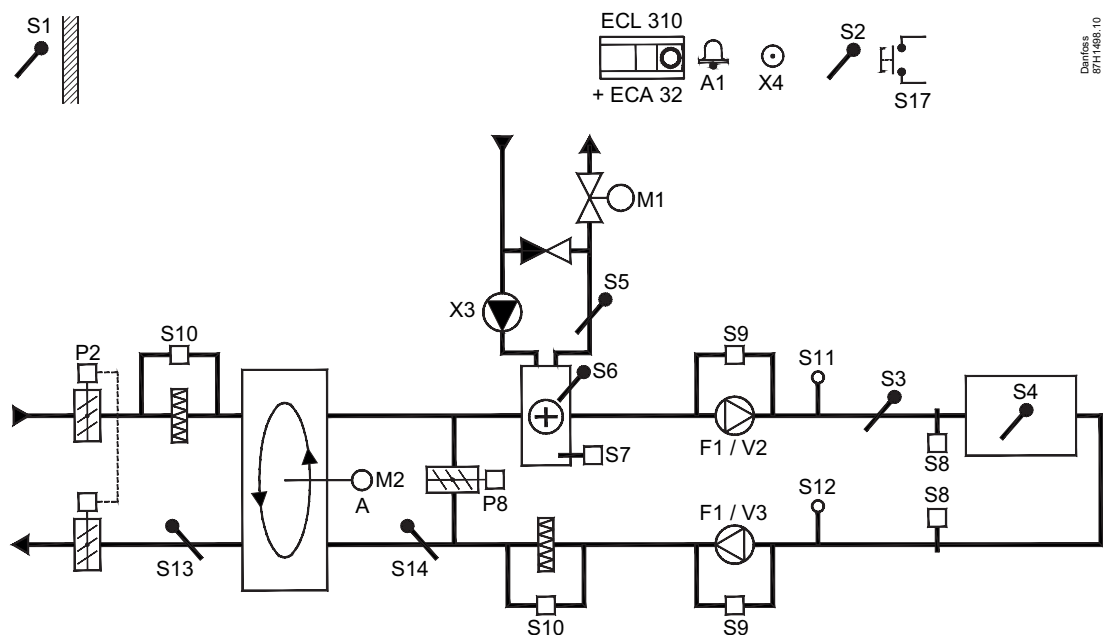
# ECL Comfort 310, P314 (code no. 087H3841)



### P314.4, ex. a:

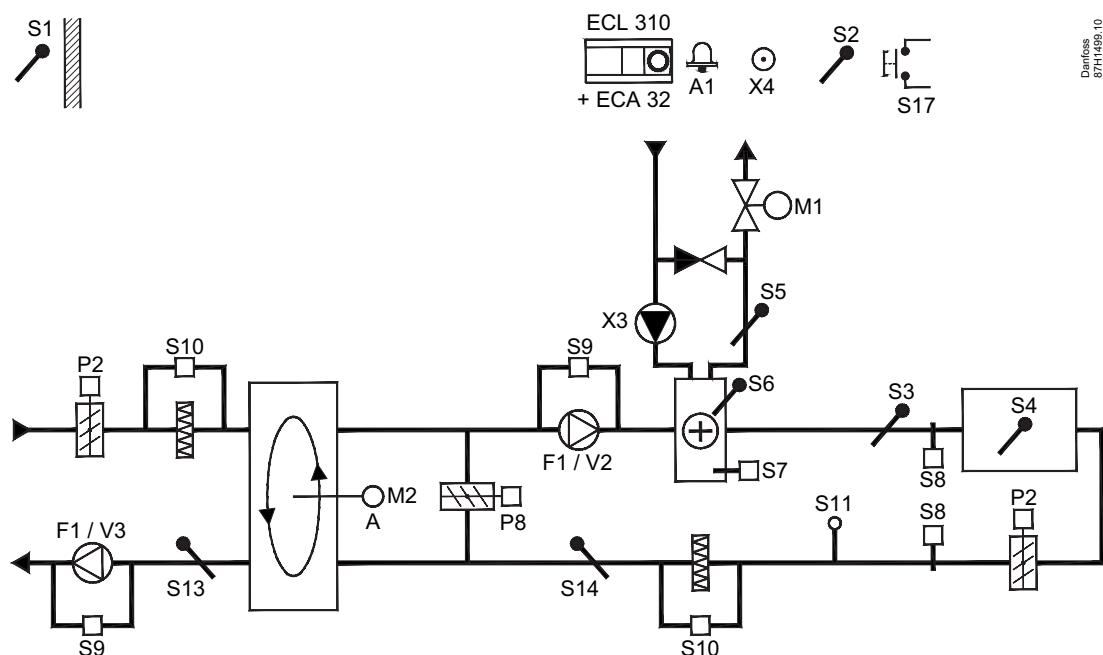


P314.4, ex. b:



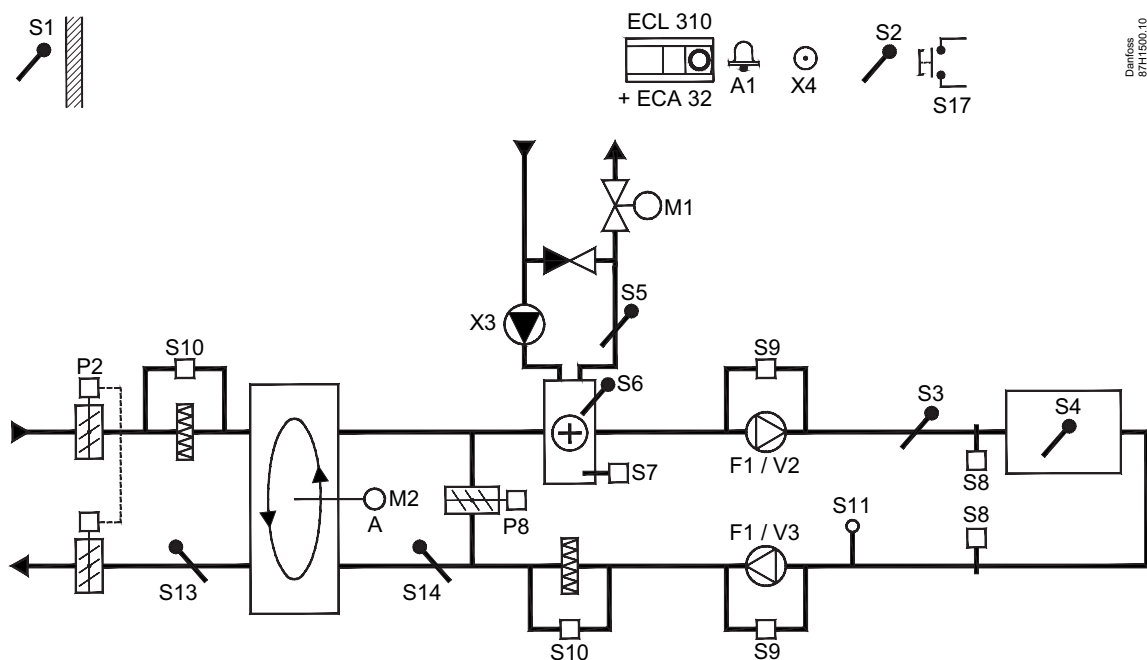
Danfoss  
87H1489.10

P314.5, ex. a:

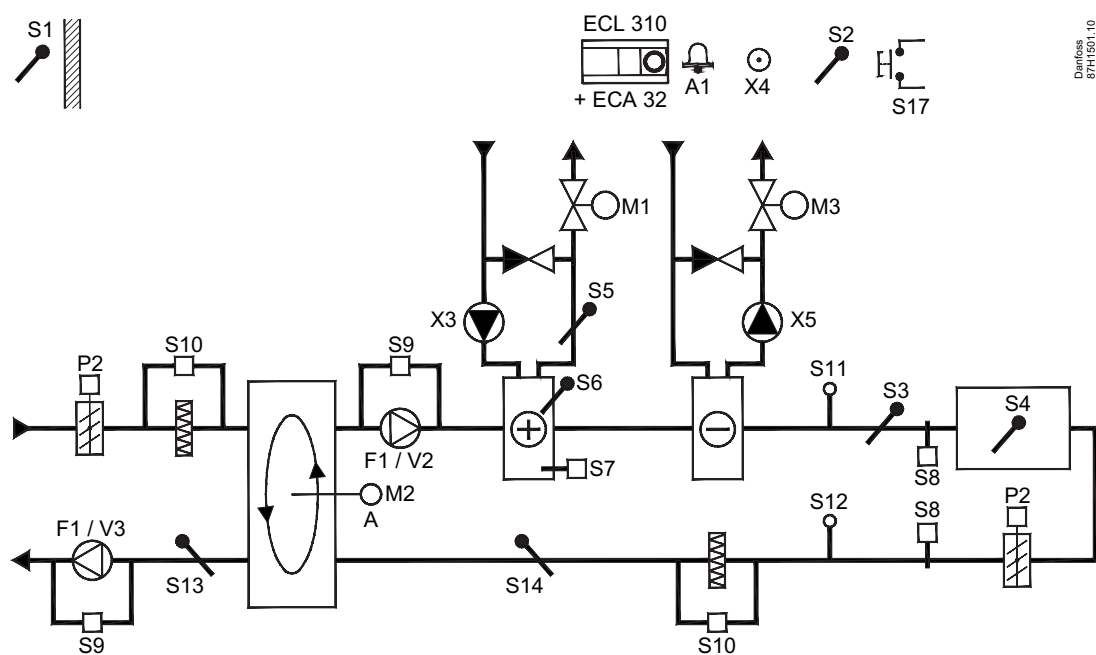


Danfoss  
87H1489.10

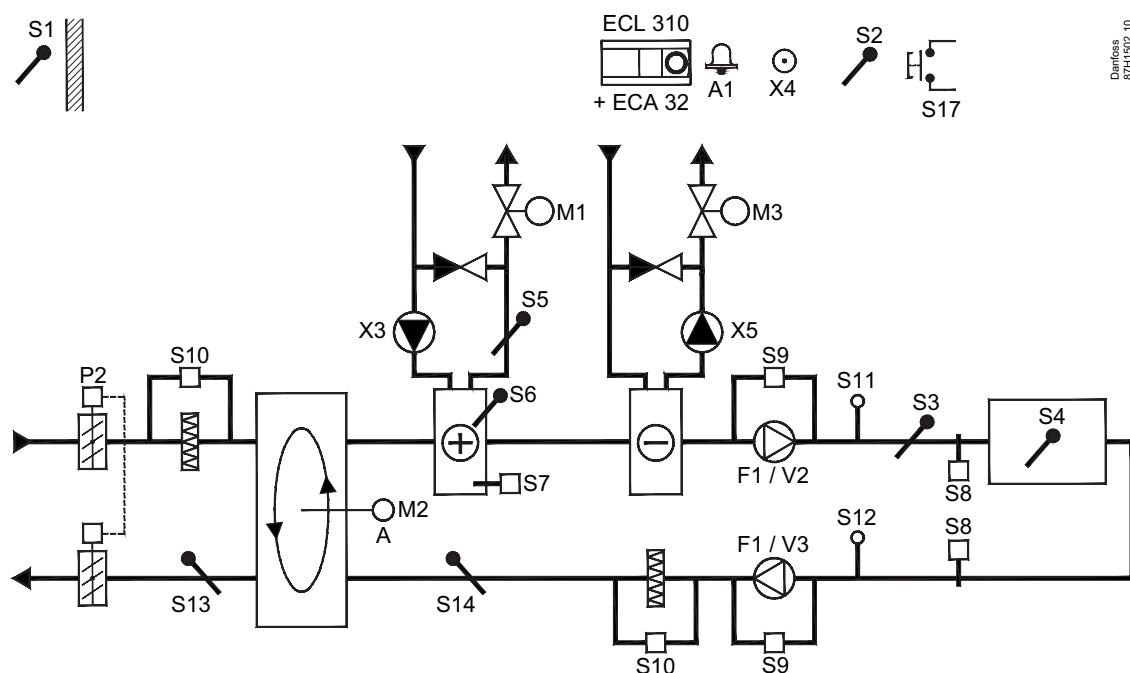
**P314.5, ex. b:**



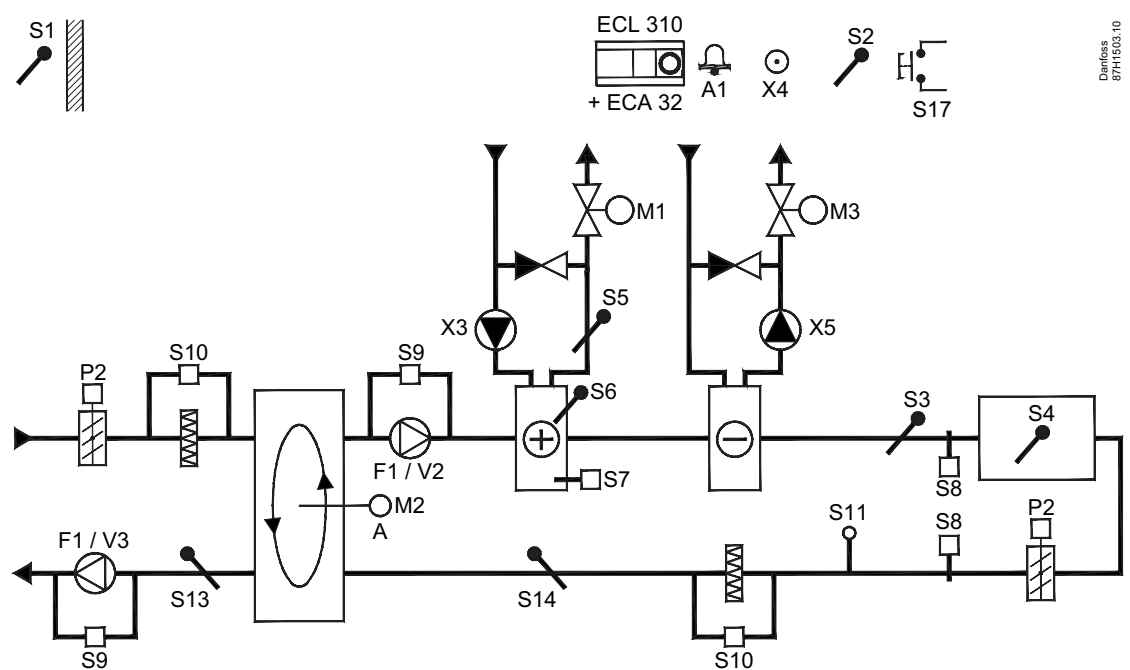
**P314.6, ex. a:**



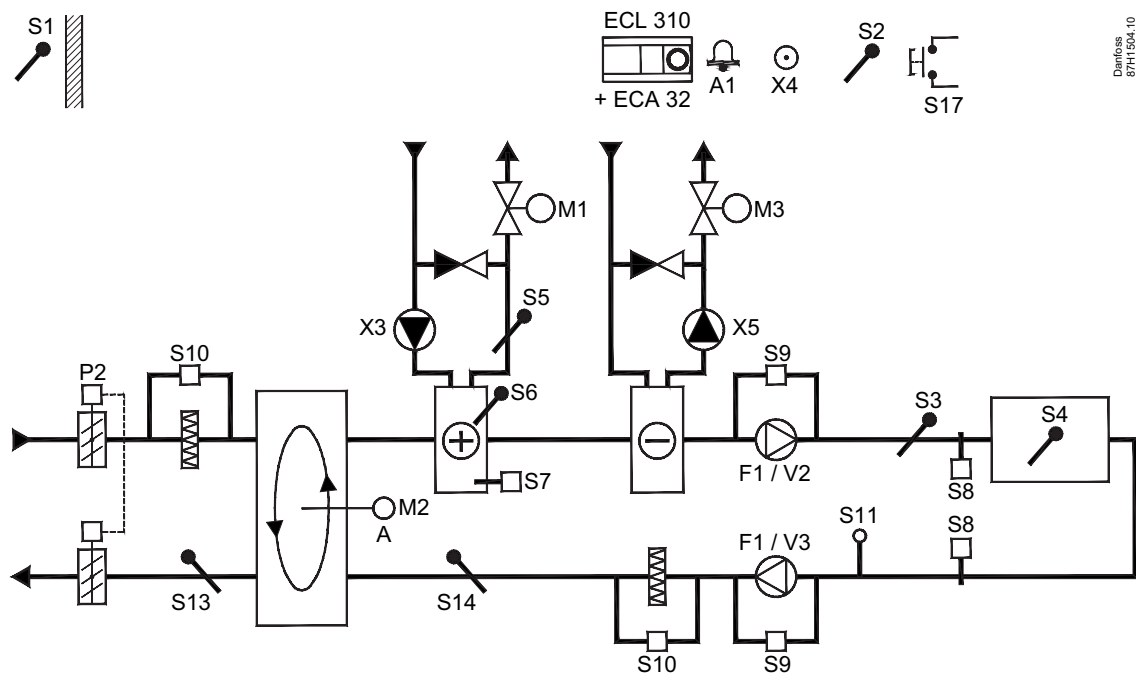
P314.6, ex. b:



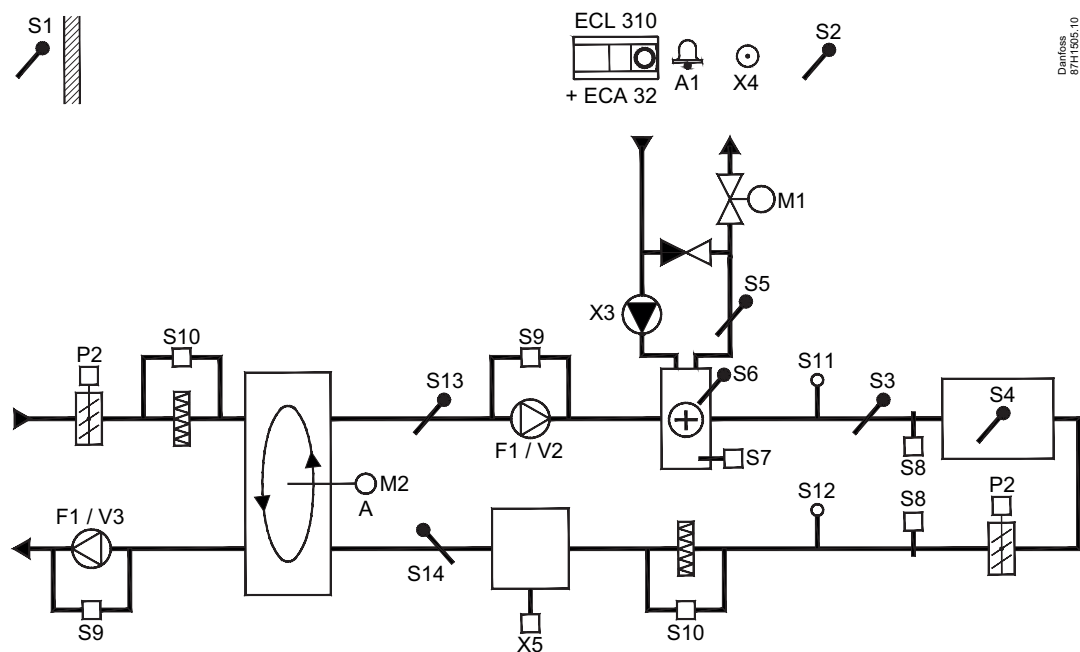
P314.7, ex. a:



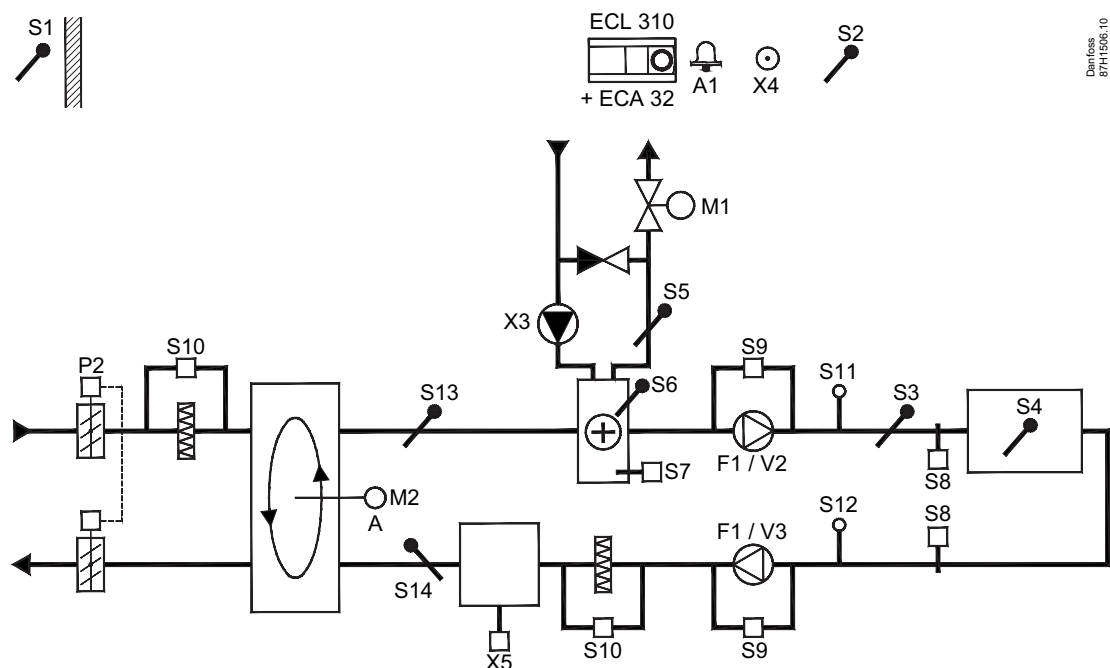
**P314.7, ex. b:**



**P314.8, ex. a:**

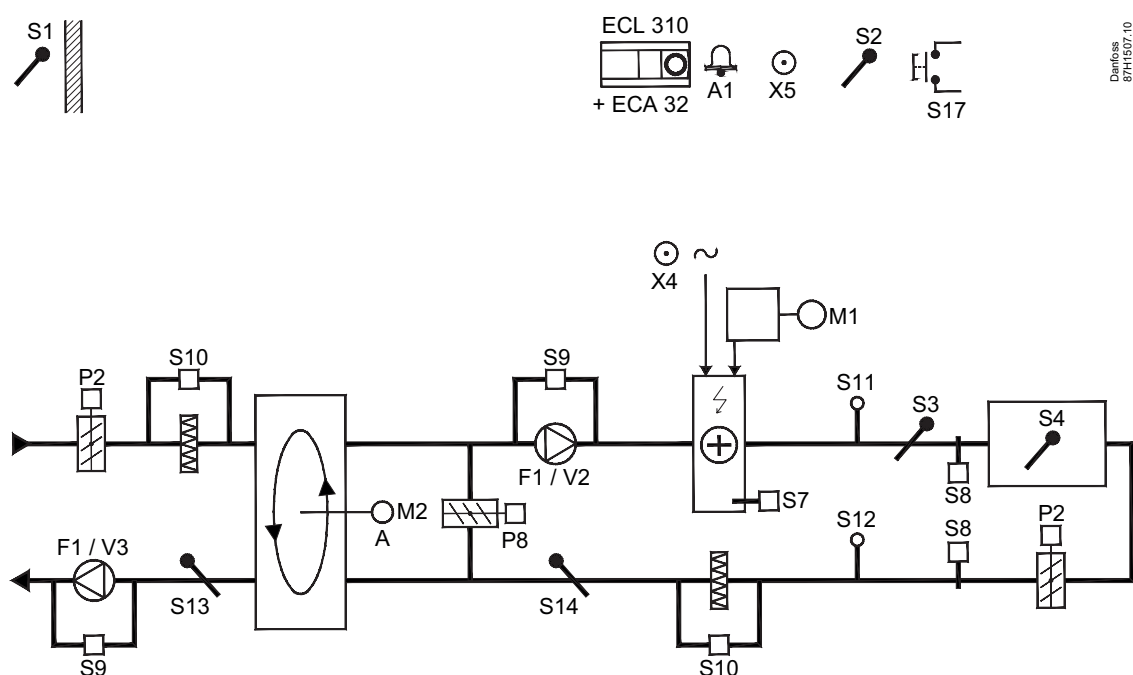


P314.8, ex. b:



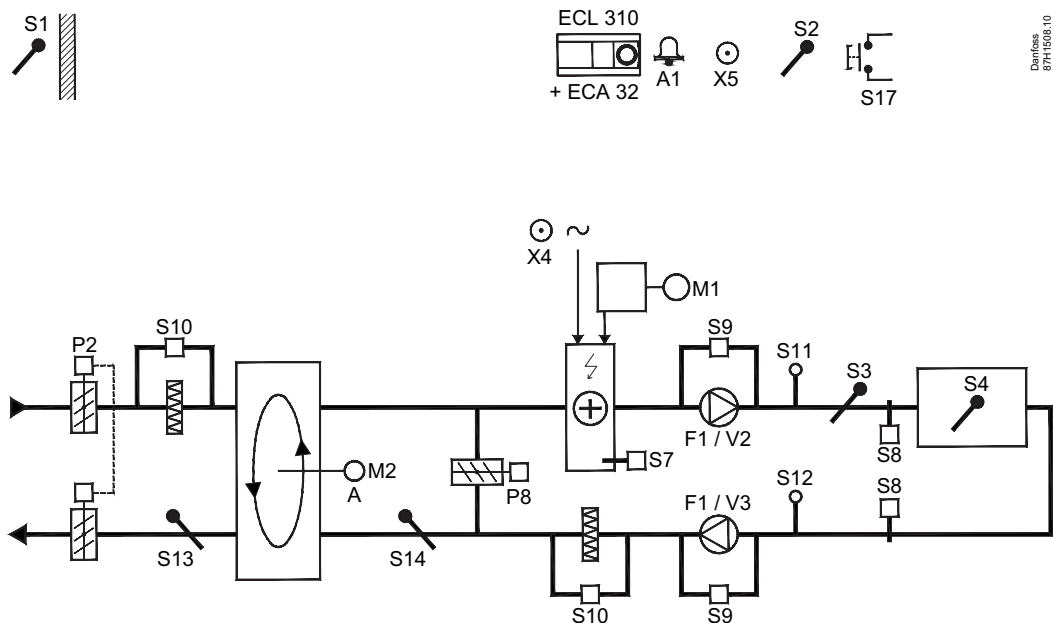
Danfoss  
87H1506.10

P314.10, ex. a:



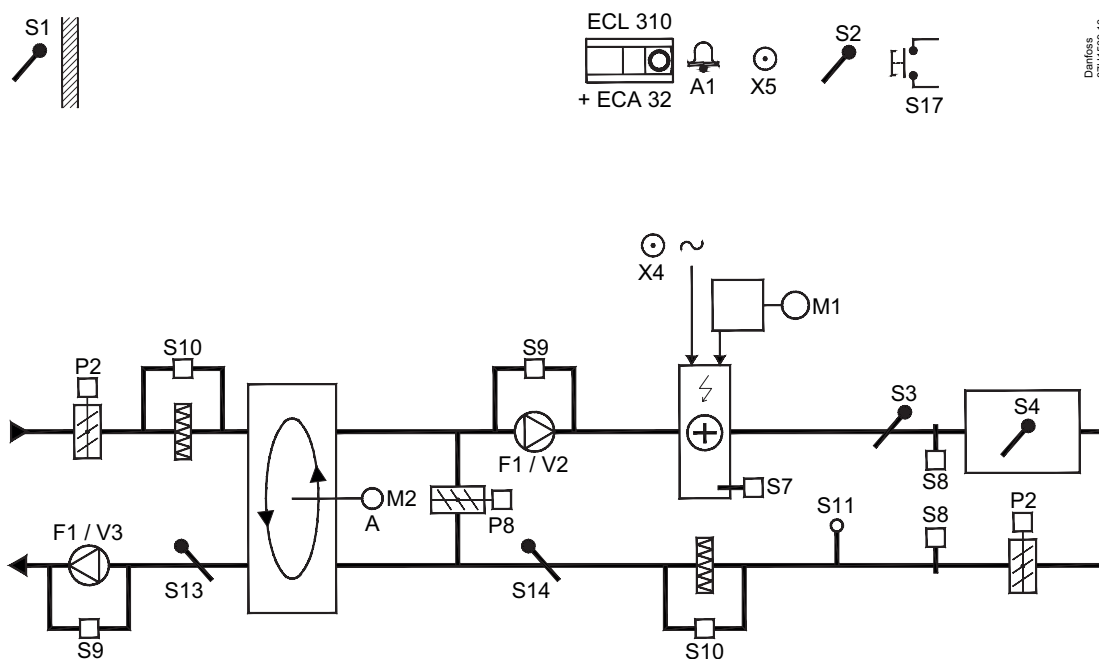
Danfoss  
87H1507.10

**P314.10, ex. b:**



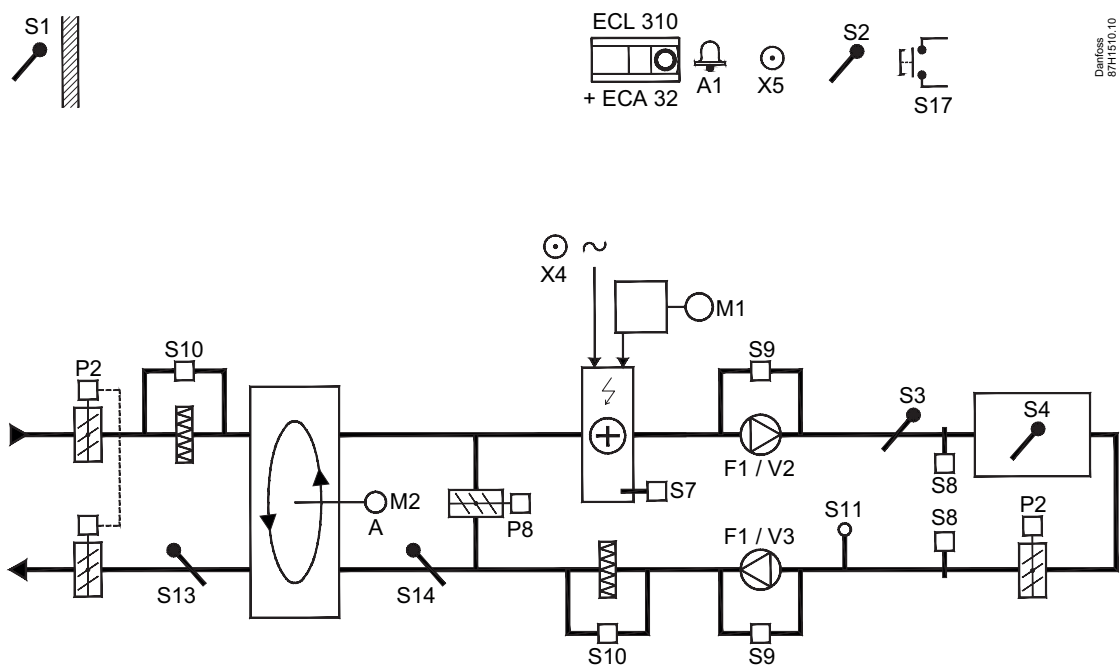
Danfoss  
87H1508.10

**P314.11, ex. a:**



Danfoss  
87H1509.10

**P314.11, ex. b:**



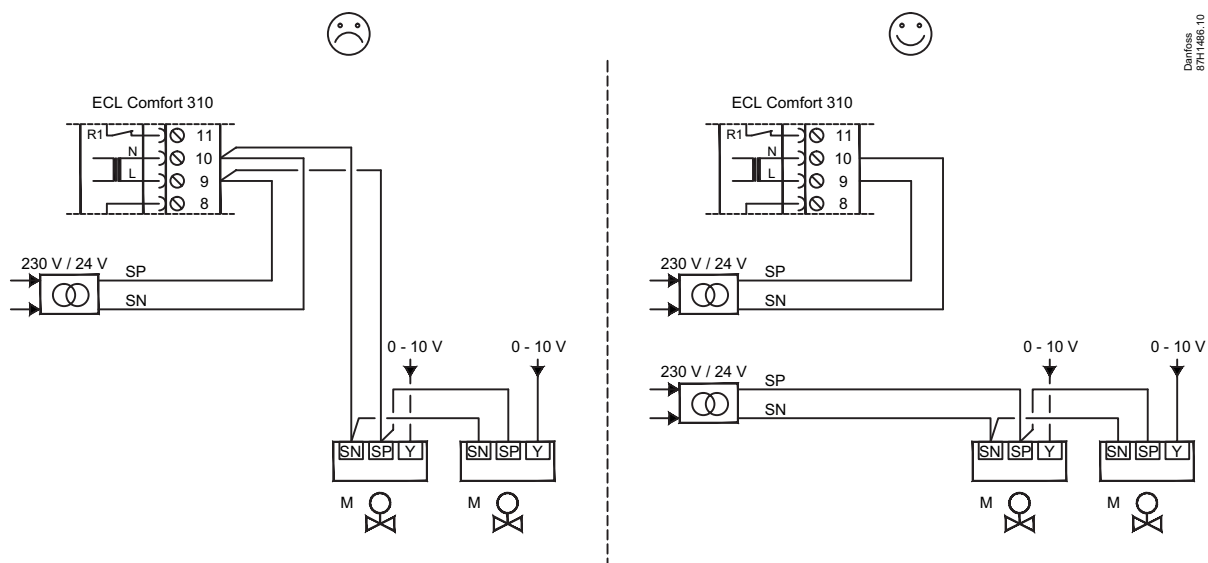
ECL 310, 24 V a.c.:

|         | 3-point: |    |    |  | 0 - 10 V:<br>(ECA 32) |    |
|---------|----------|----|----|--|-----------------------|----|
|         | M1       | M2 | M3 |  | M1                    | M2 |
| P314.4  | ✓        |    |    |  |                       | ✓  |
| P314.5  | ✓        |    |    |  |                       | ✓  |
| P314.6  | ✓        |    | ✓  |  |                       | ✓  |
| P314.7  | ✓        |    | ✓  |  |                       | ✓  |
| P314.8  | ✓        |    |    |  |                       | ✓  |
|         |          |    |    |  |                       |    |
| P314.10 | ✓        |    |    |  |                       | ✓  |
| P314.11 | ✓        |    |    |  |                       | ✓  |

ECL 310, 24 V a.c.:

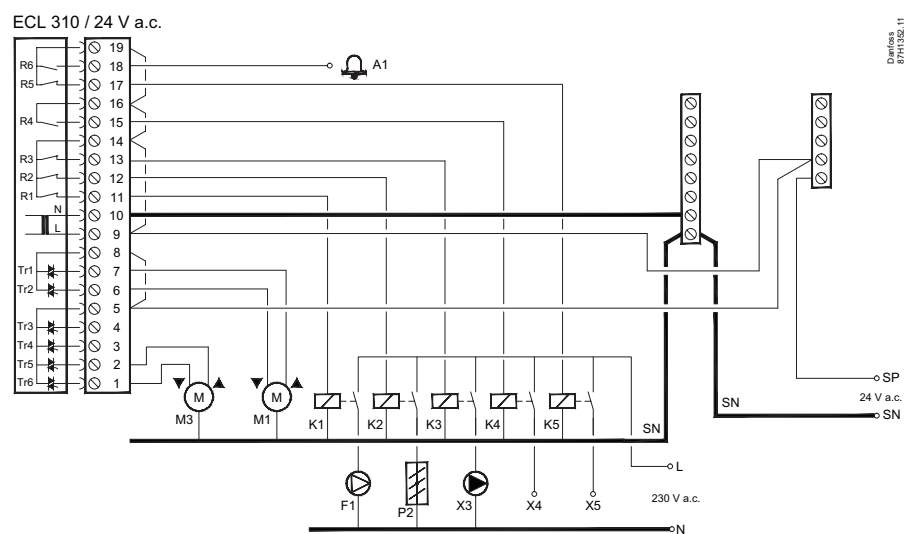
|         | ECL Comfort 310 |    |    |    |    |  | ECA 32 |    |
|---------|-----------------|----|----|----|----|--|--------|----|
|         | F1              | P2 | X3 | X4 | X5 |  | P7     | P8 |
| P314.4  | ✓               | ✓  | ✓  | ✓  |    |  | ✓      | ✓  |
| P314.5  | ✓               | ✓  | ✓  | ✓  |    |  | ✓      | ✓  |
| P314.6  | ✓               | ✓  | ✓  | ✓  | ✓  |  | ✓      |    |
| P314.7  | ✓               | ✓  | ✓  | ✓  | ✓  |  | ✓      |    |
| P314.8  | ✓               | ✓  | ✓  | ✓  | ✓  |  | ✓      |    |
|         |                 |    |    |    |    |  |        |    |
| P314.10 | ✓               | ✓  |    | ✓  | ✓  |  | ✓      | ✓  |
| P314.11 | ✓               | ✓  |    | ✓  | ✓  |  | ✓      | ✓  |

24 V a.c., P314:

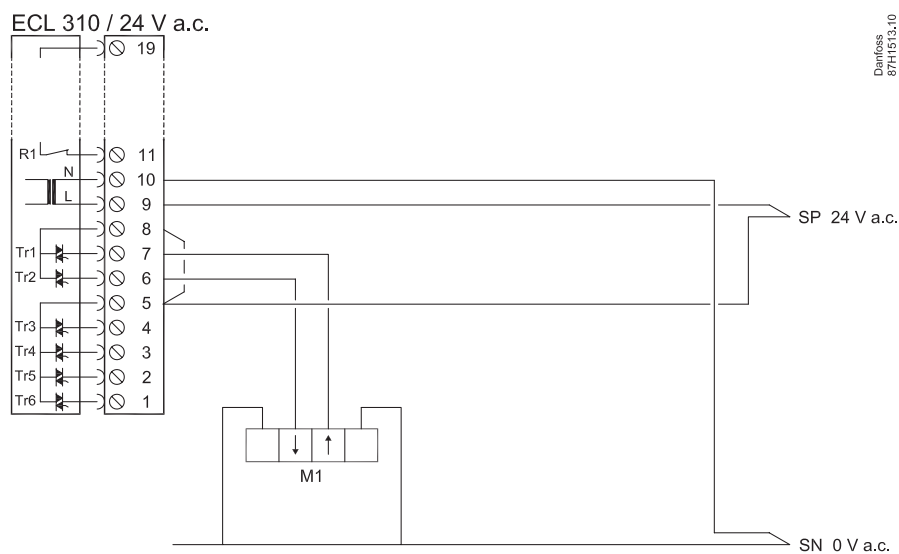


Danfoss  
87H1486.10

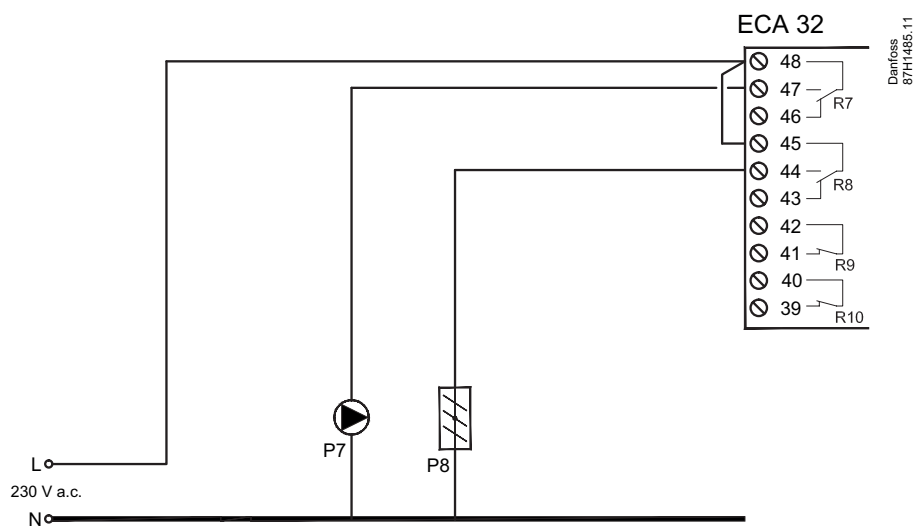
24 V a.c., P314



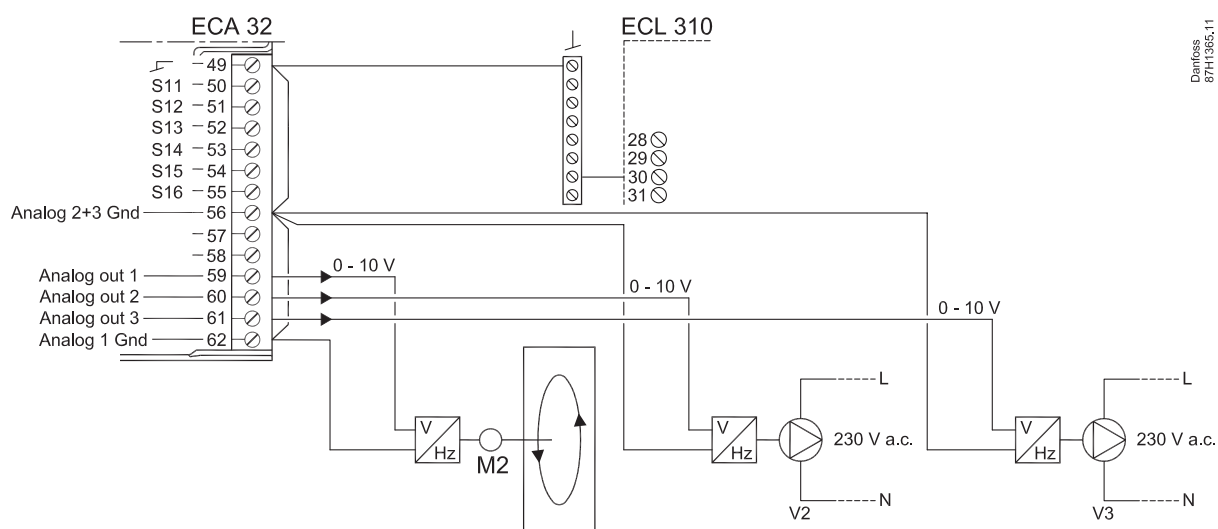
24 V a.c., P314



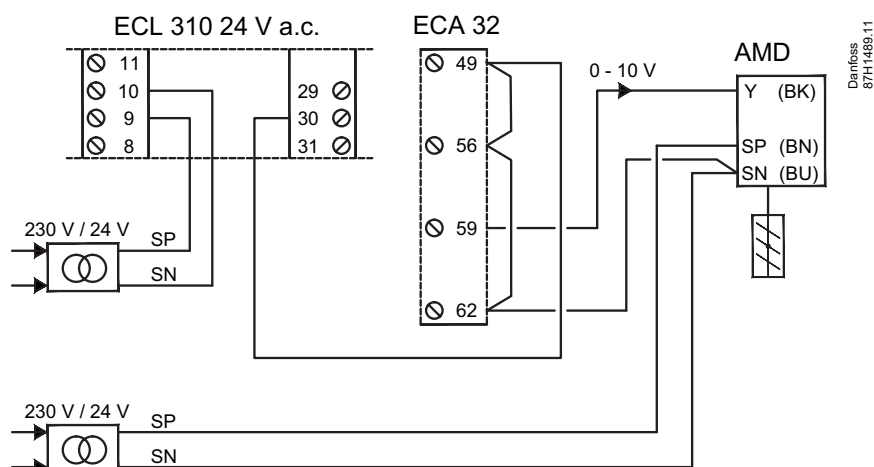
## ECA 32



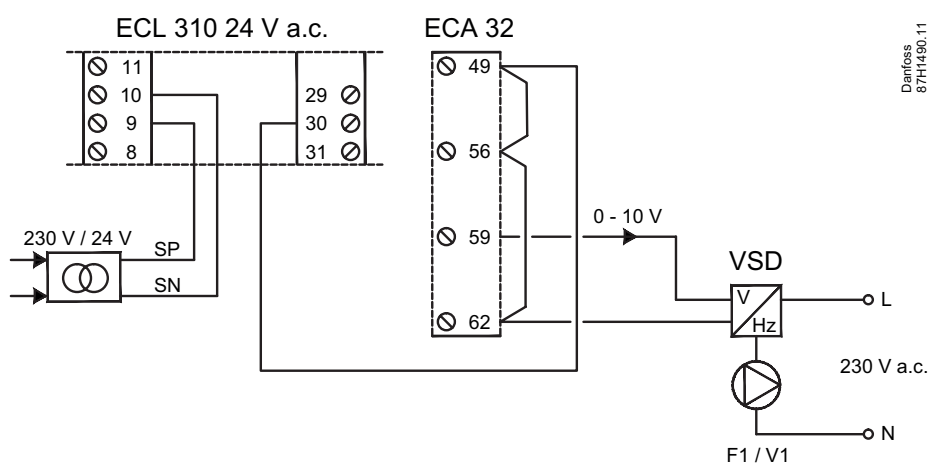
## ECA 32



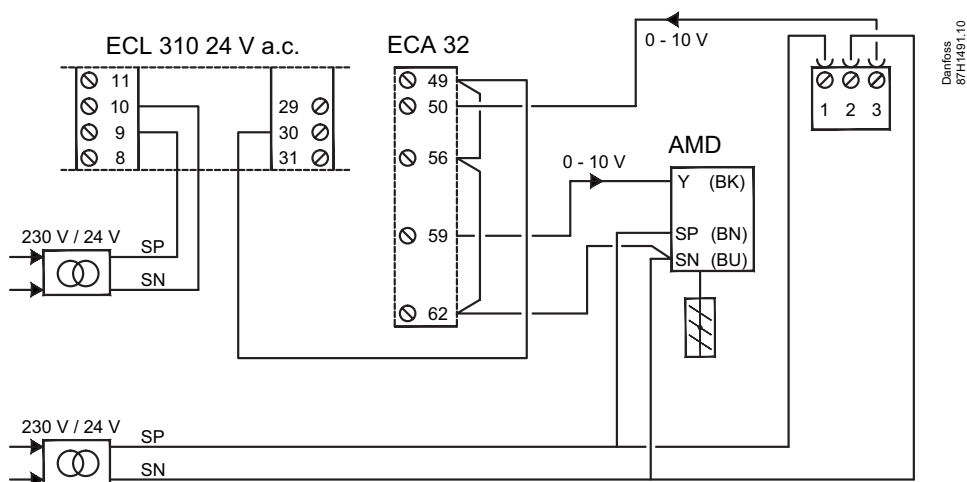
**Example:**



**Example:**

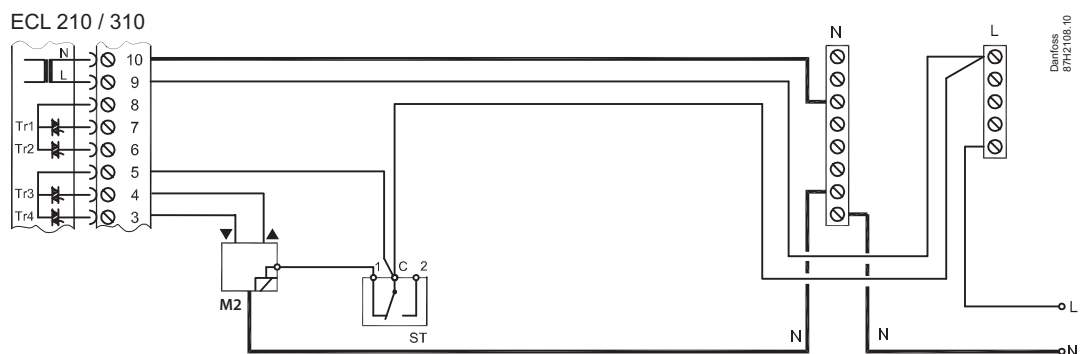
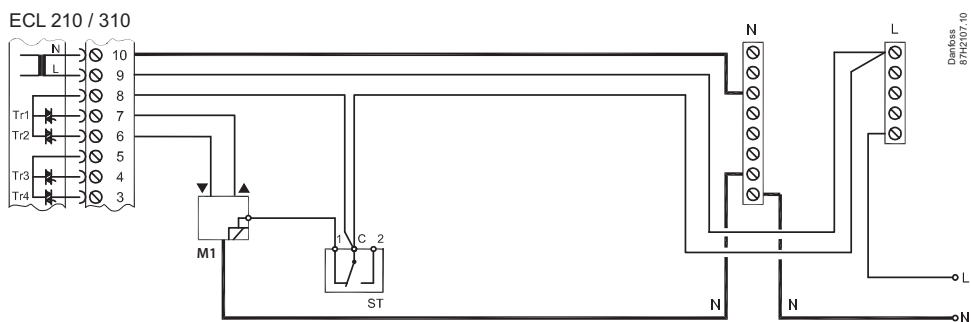
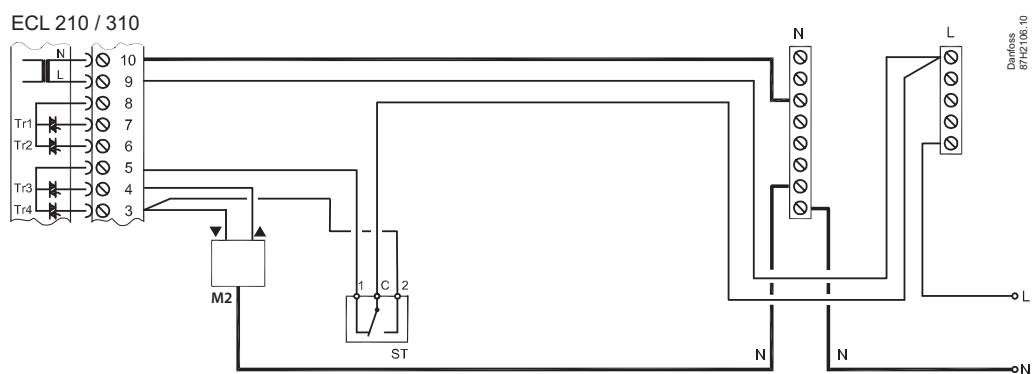
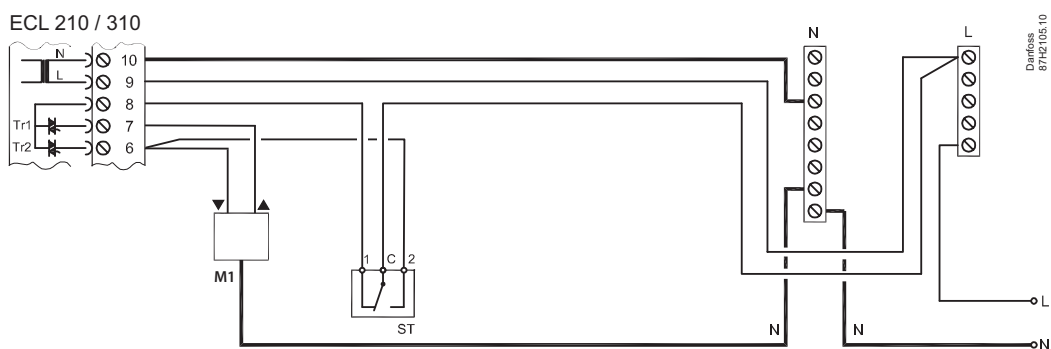


**Example:**

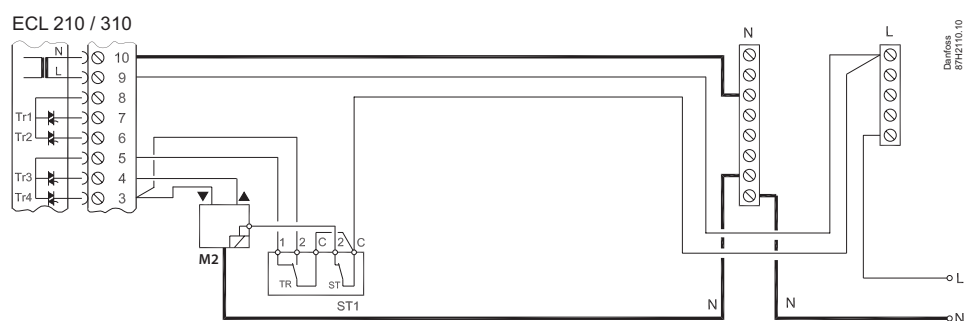
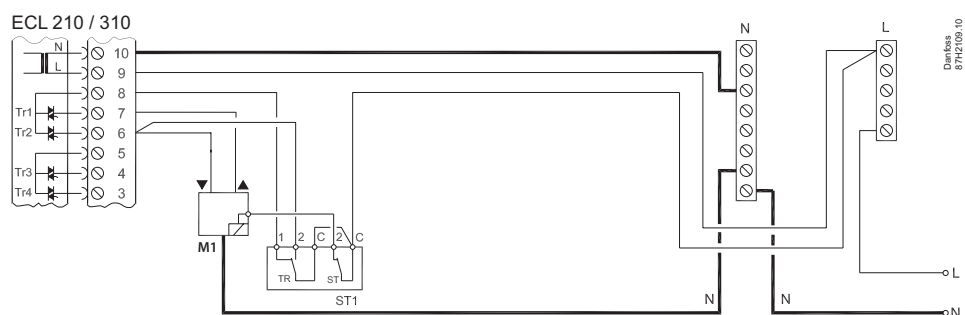


**24 V a.c. , safety thermostat**

**1-step closing**

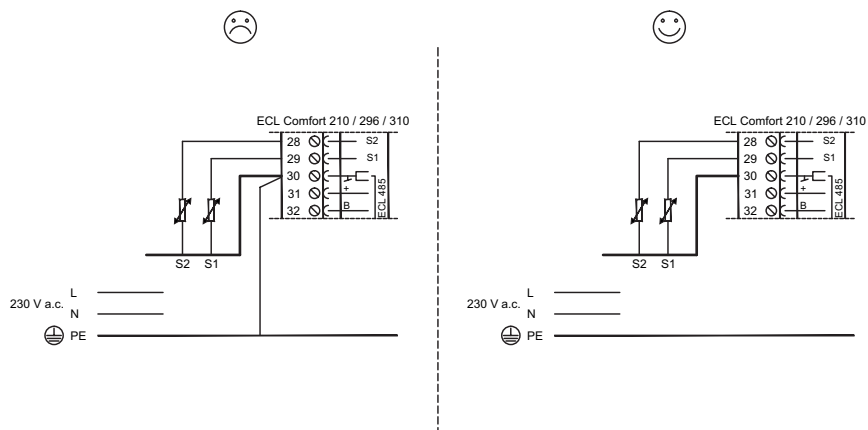


**24 V a.c. , safety thermostat  
2-step closing**

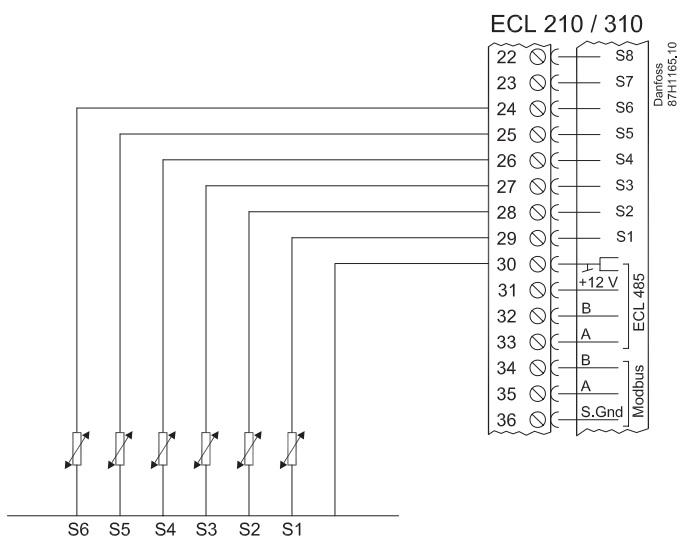


# Installation Guide, ECL Comfort 310, P314

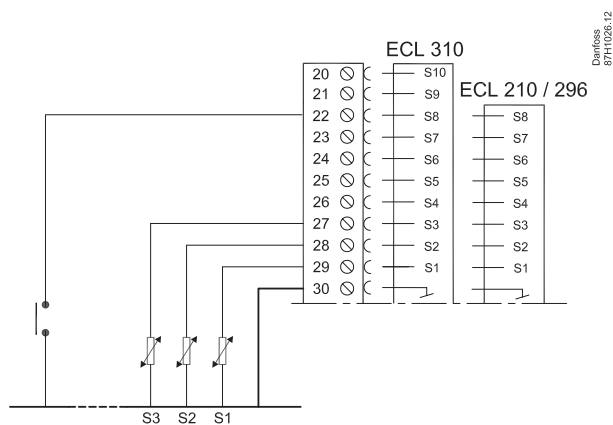
Pt 1000 (1000 Ω / 0 °C)



Danfoss  
87H1165.11

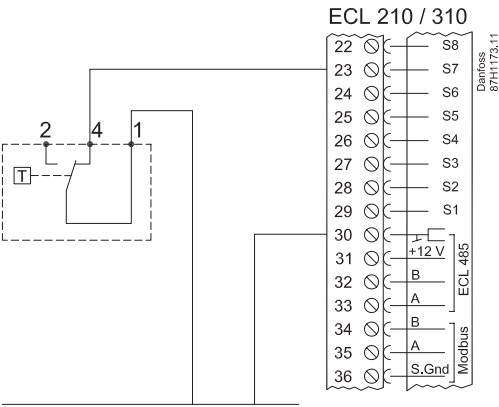


Danfoss  
87H1165.10

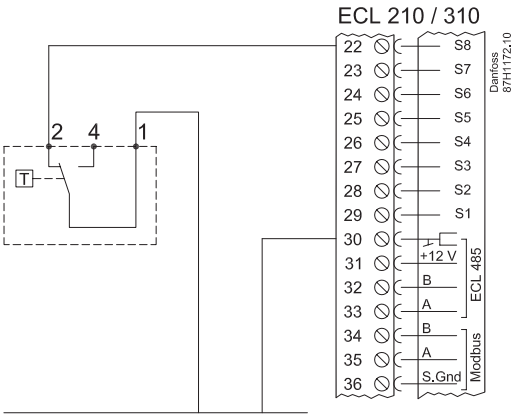


Danfoss  
87H1026.12

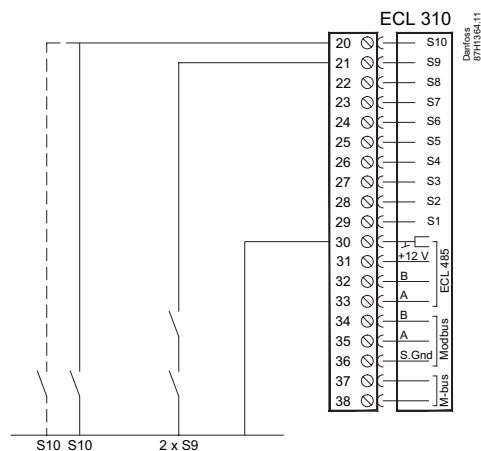
S7



S8

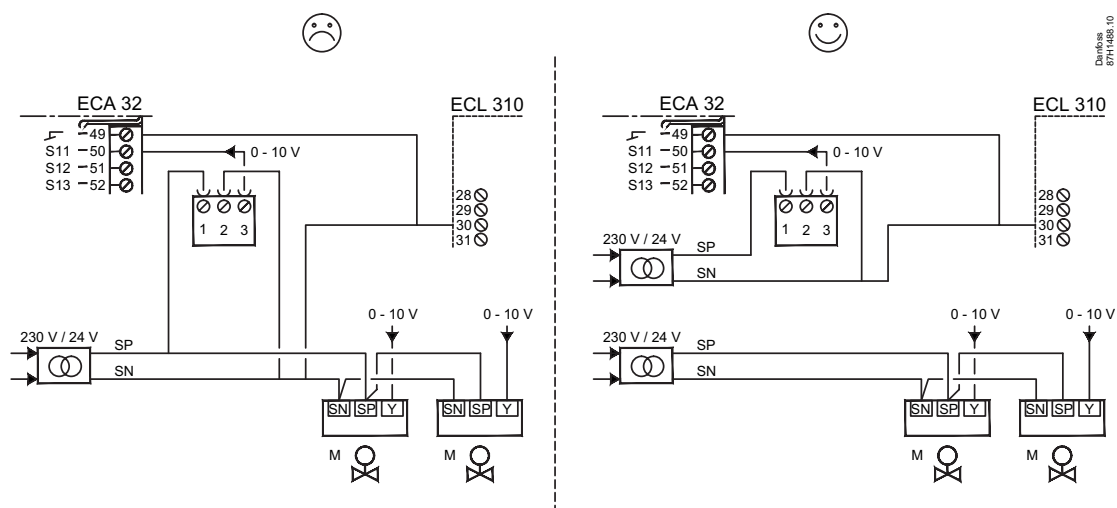


S9 / S10

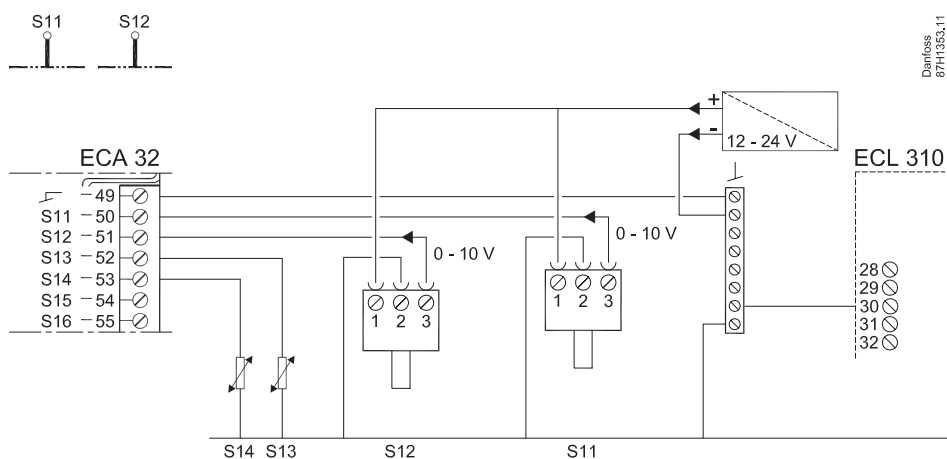


ECA 32

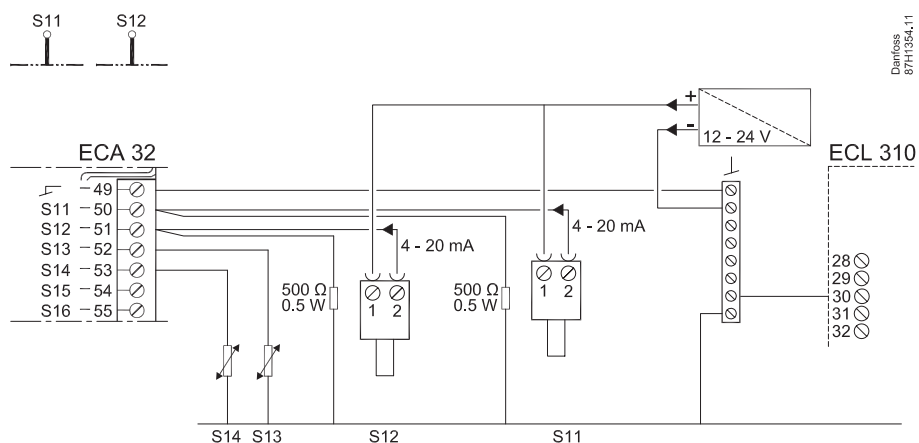
|         | S11 | S12 | S13 | S14 | S15 | S16 | S17 |
|---------|-----|-----|-----|-----|-----|-----|-----|
| P314.4  | ✓   | ✓   | ✓   | ✓   |     |     | ✓   |
| P314.5  | ✓   |     | ✓   | ✓   |     |     | ✓   |
| P314.6  | ✓   | ✓   | ✓   | ✓   |     |     | ✓   |
| P314.7  | ✓   |     | ✓   | ✓   |     |     | ✓   |
| P314.8  | ✓   | ✓   | ✓   | ✓   |     |     |     |
|         |     |     |     |     |     |     |     |
| P314.10 | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |
| P314.11 | ✓   |     | ✓   | ✓   | ✓   |     | ✓   |



ECA 32



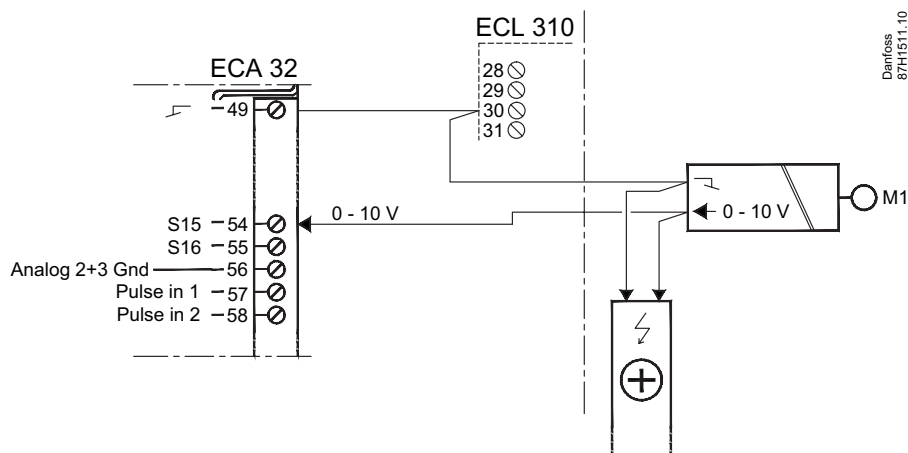
Danfoss  
87H1353,11



Danfoss  
87H1354,11

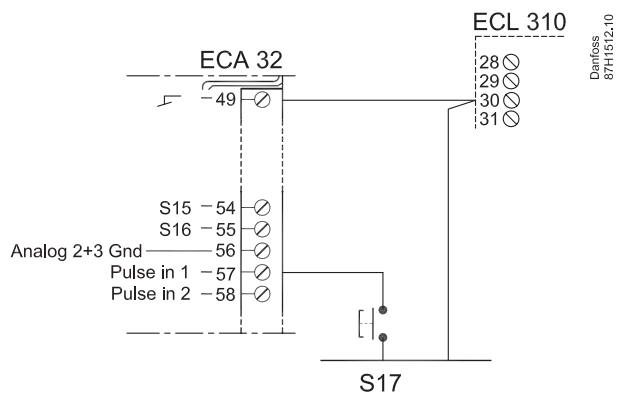
**ECA 32, P314.10, P314.11**

**S15**

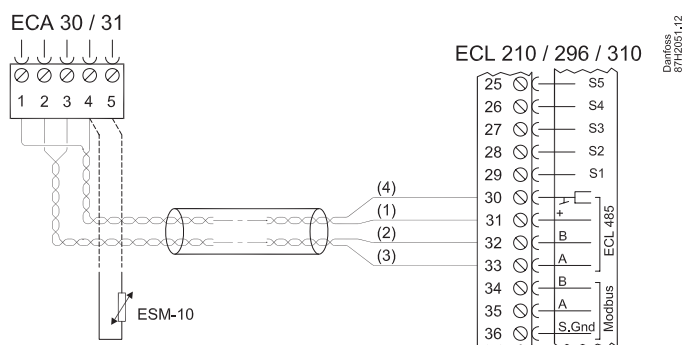


**ECA 32, P314.4, P314.5, P314.6, P314.7, P314.10, P314.11**

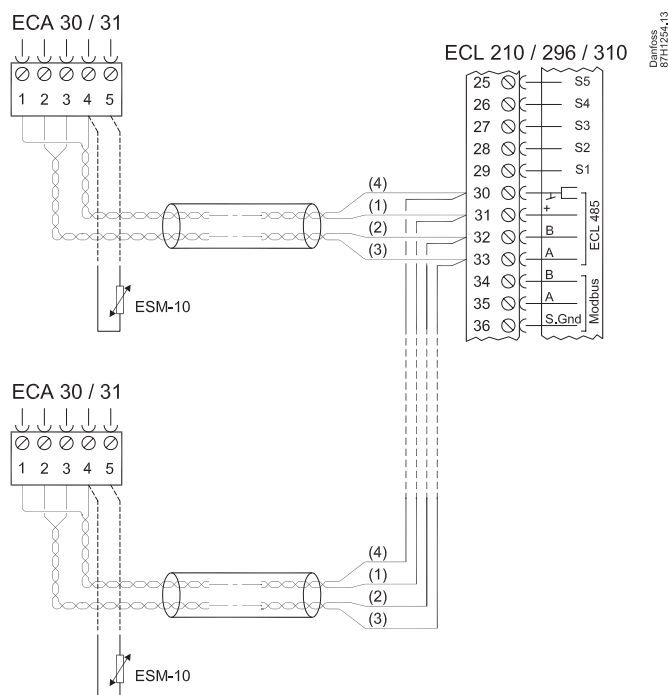
**S17**



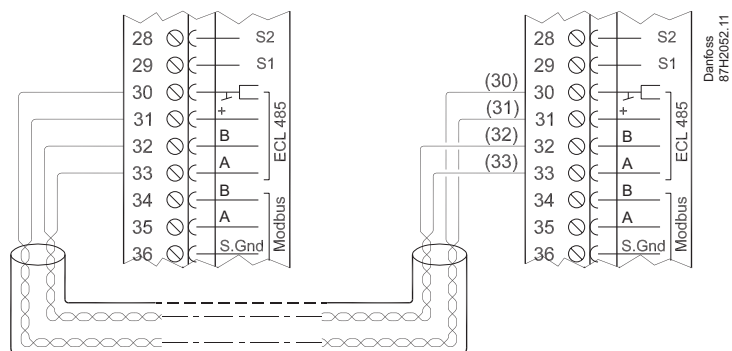
**ECA 30 / 31**



**ECA 30 / 31**

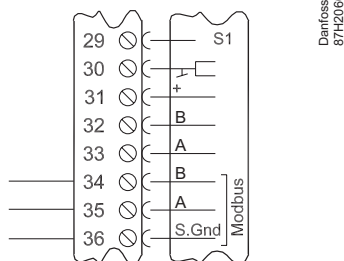


## Master / slave



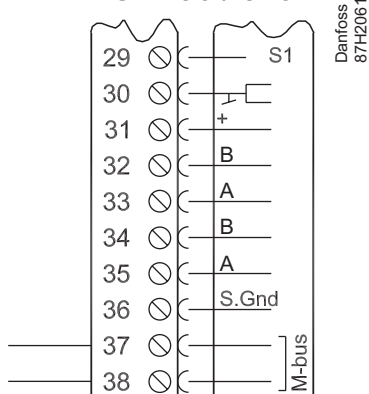
## Modbus

### ECL 210 / 296 / 310

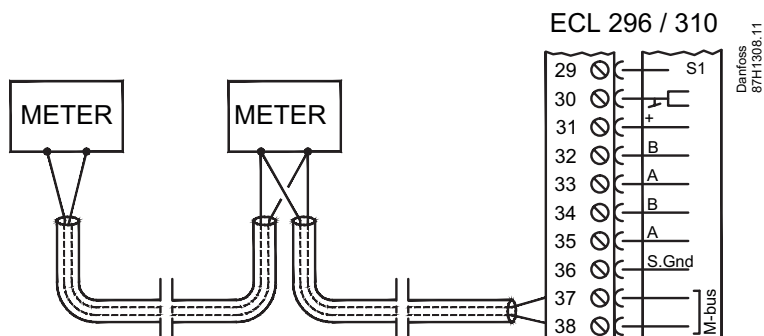


## M-bus

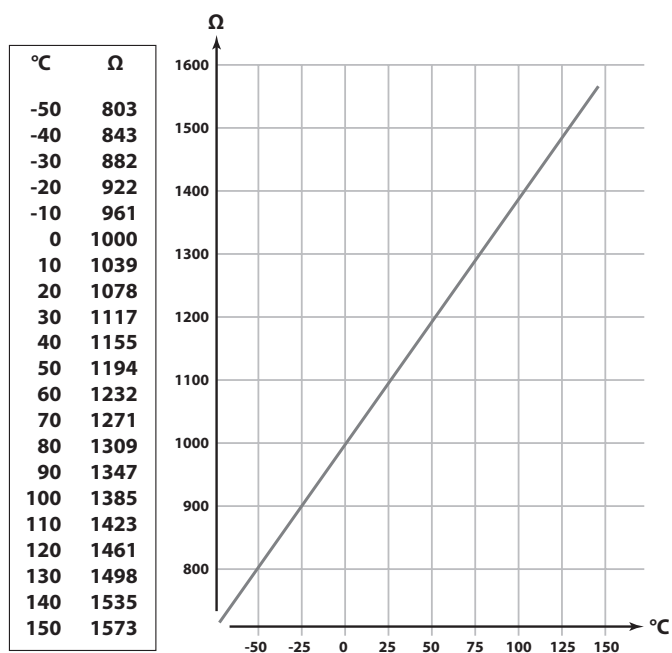
### ECL 296 / 310



## M-bus

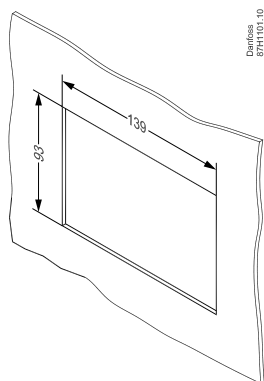


Pt 1000 (IEC 751B, 1000  $\Omega$  / 0 °C)

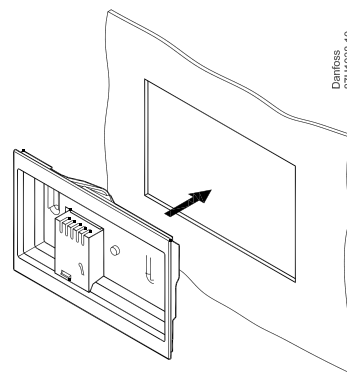


ECA 30

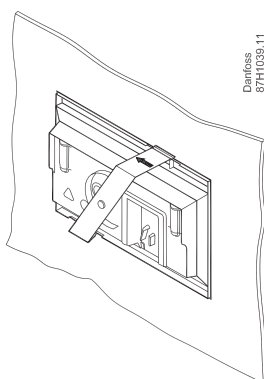
1



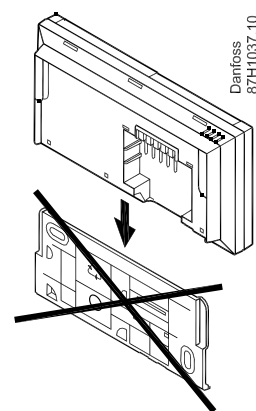
2



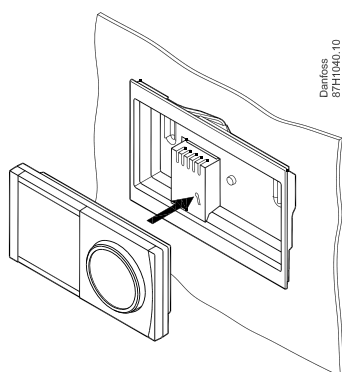
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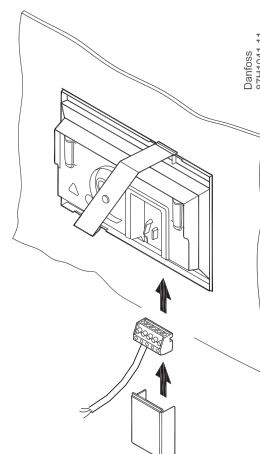
4



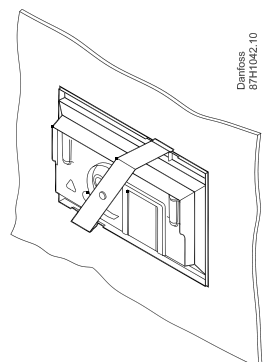
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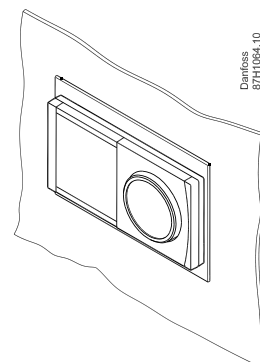
6



7

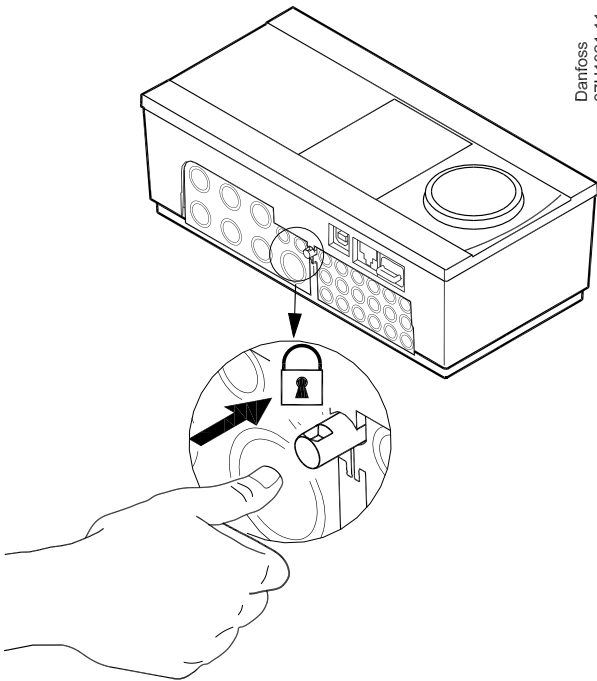


8

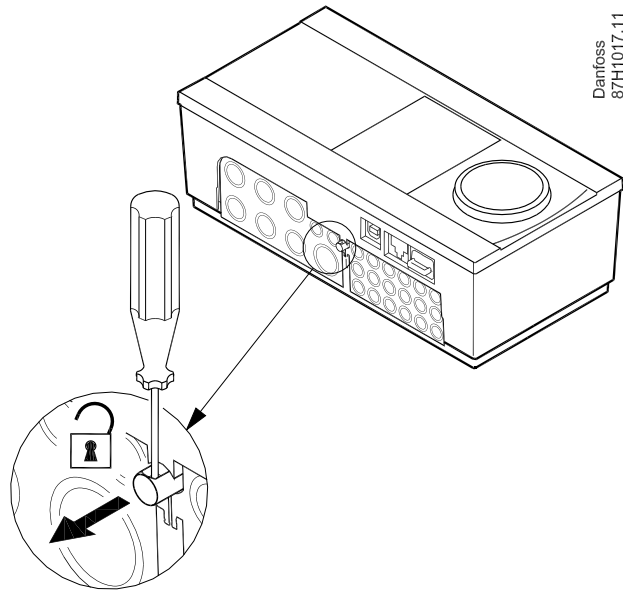


# Installation Guide, ECL Comfort 310, P314

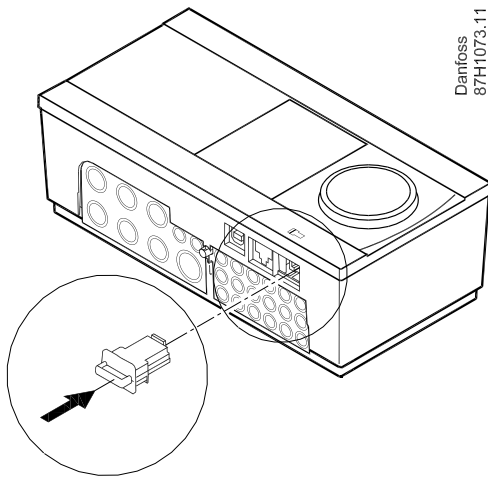
Danfoss  
87H1021.11



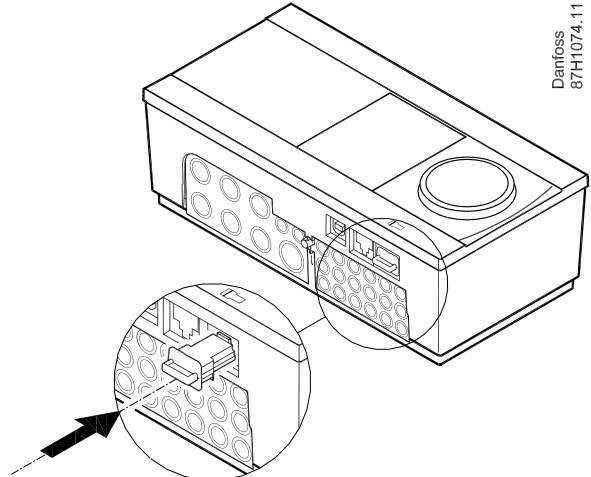
Danfoss  
87H1017.11



Danfoss  
87H1073.11

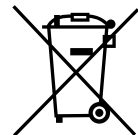


Danfoss  
87H1074.11



?  **ECL Comfort 310, P314: [www.heating.danfoss.com](http://www.heating.danfoss.com)**

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



**Danfoss A/S**

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