

Data sheet

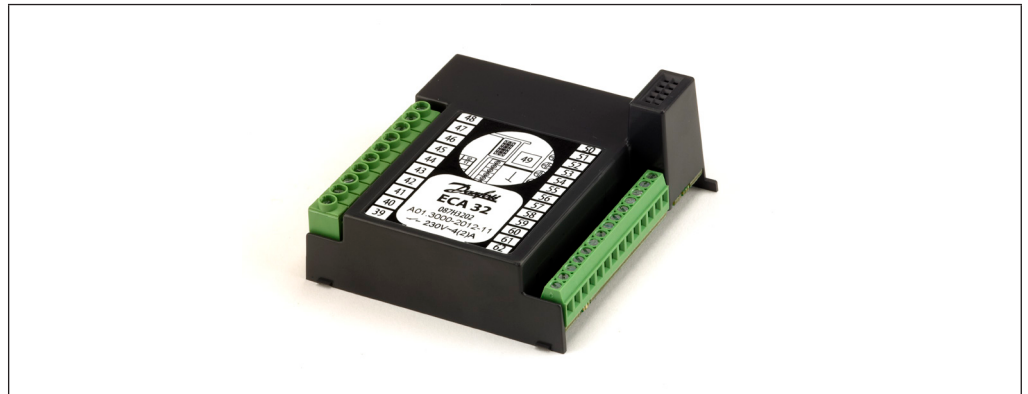
ECA 32

Input / output extension module for ECL Comfort 310 / 310B

Designed in Denmark

Description

ECA 32



The ECA 32 module extends the ECL Comfort 310 / 310B with a number of inputs and outputs.

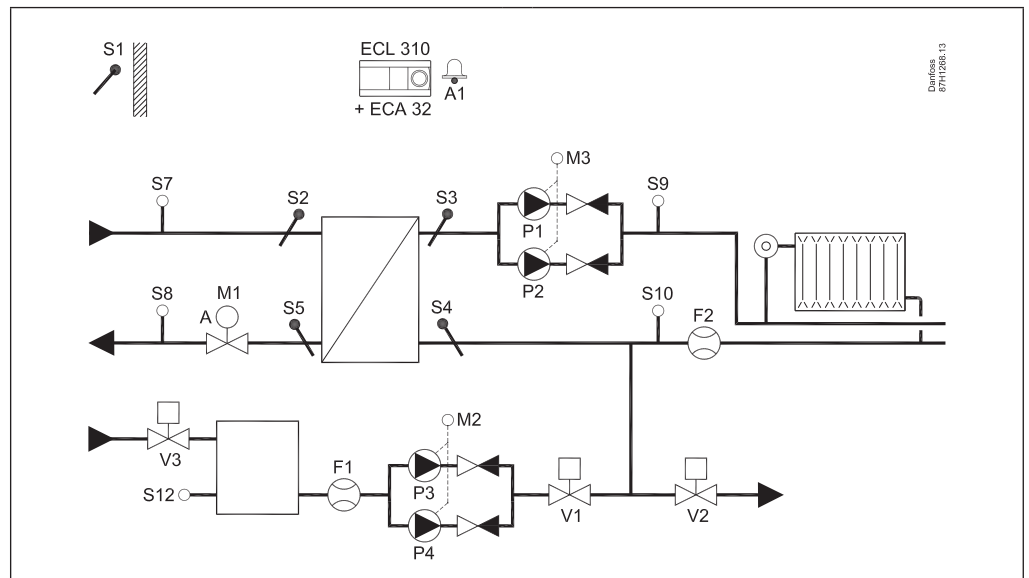
The connection between the ECL Comfort 310 / 310B and ECA 32 is a 10-pole (2 x 5) connector.

ECA 32 is used in ECL Comfort 310 related applications where the demand for extra inputs / outputs is present.

The connection is automatically established when the ECL Comfort 310 / 310B is placed on the base part.

ECA 32 is to be placed in the base part for ECL Comfort 310 / 310B.

Application example



M1, M2, M3 and V3 are controlled via ECA 32
S12, F1 and F2 are inputs via ECA 32

The shown diagram is a fundamental example and does not contain all components that are necessary in a system.
All named components are connected to the ECL Comfort controller / ECA 32.

Data sheet

ECA 32 input / output extension module for ECL Comfort 310 / 310B

Ordering

Type	Designation	Code no.
ECA 32	Internal module for ECL Comfort 310 / 310B. Mounting guide (no text) is included	087H3202
Base part for ECL Comfort 310 / 310B (space for ECA 32)	For mounting on wall or DIN rail (35 mm). Mounting guide (no text) and cable inlet accessories are included.	087H3230

Operation

ECA 32 is controlled from ECL Comfort 310 / 310B.

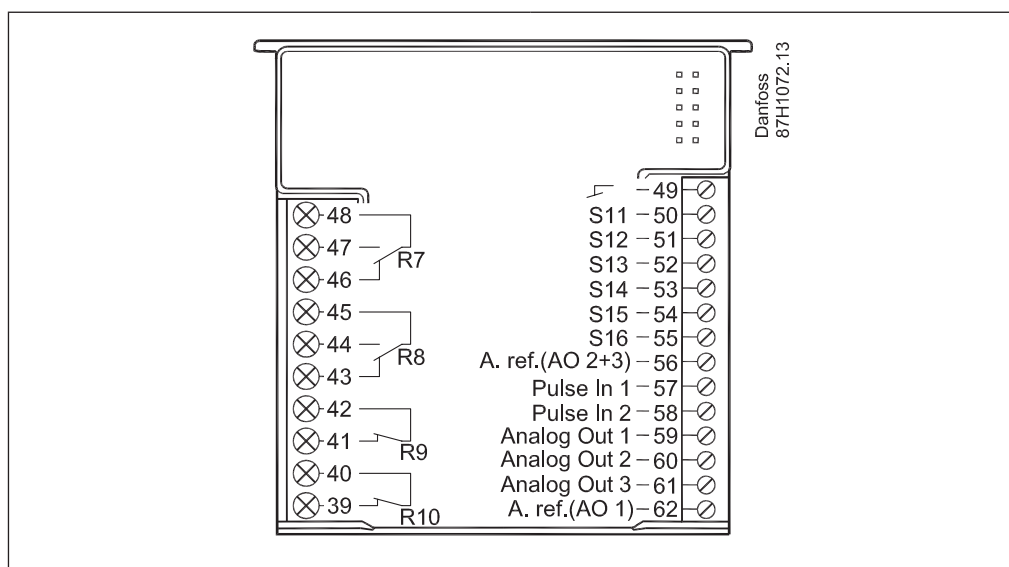
Communication

ECA 32 has a 10-pole female connector which automatically connects to the ECL Comfort 310 / 310B.

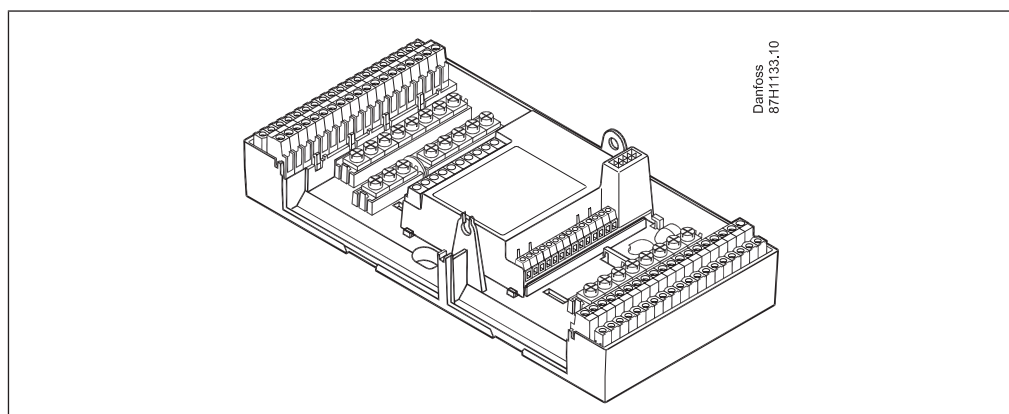
General data

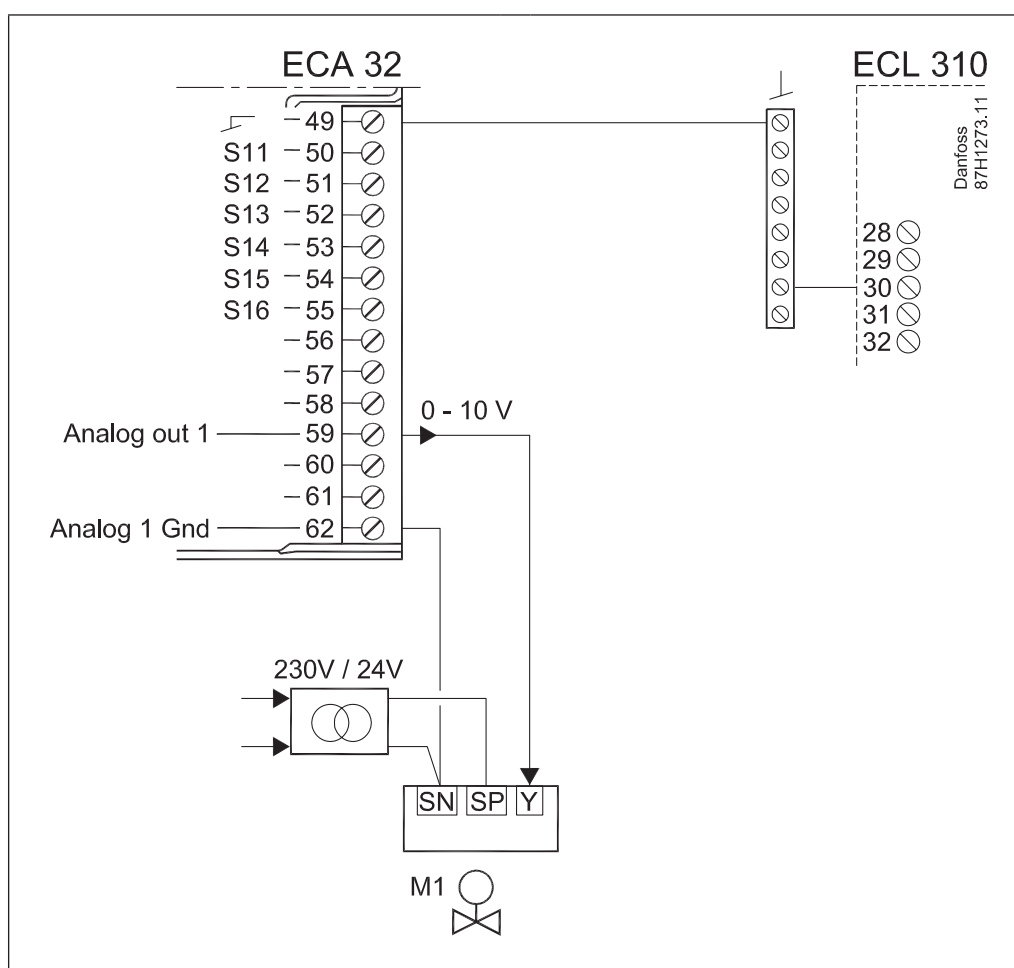
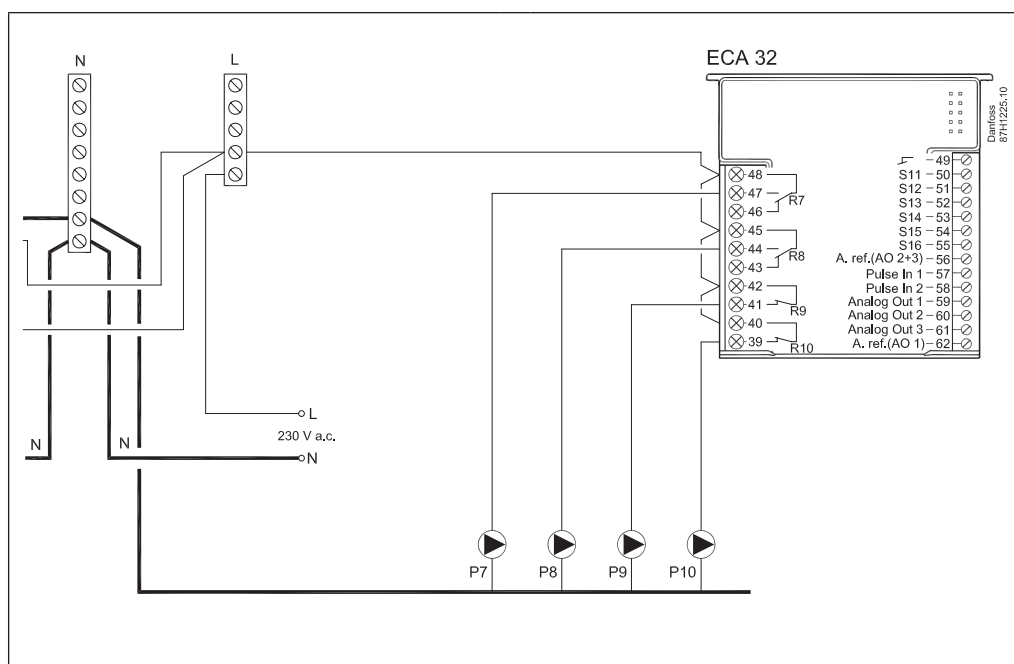
Ambient temperature	0 - 55 °C
Storage and transportation temperature	-40 - 70 °C
Mounting	In ECL Comfort 310's base part
Number of inputs	6
Input types	Each input is configured at application upload as Pt 1000, 0-10 V or digital input
Number of relays	2 x SPST 2 x SPDT
Max. load on relay outputs	4 (2) A (4 A for ohmic load, 2 A for inductive load)
Number of pulse counter inputs	2
Max. frequency of pulse counter input	200 Hz
Number of analogue outputs (0-10 V)	3
Max. load on analogue output	2 mA each (min. resistance 5 KΩ)
Compatibility with ECL Comfort 310 / 310B	From version 1.20 and up

Connection terminals

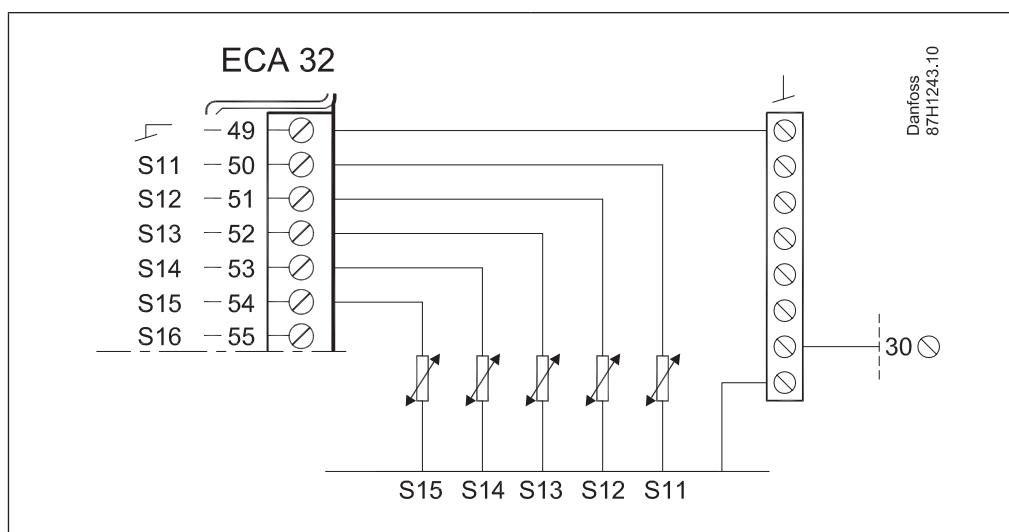


Position in base part

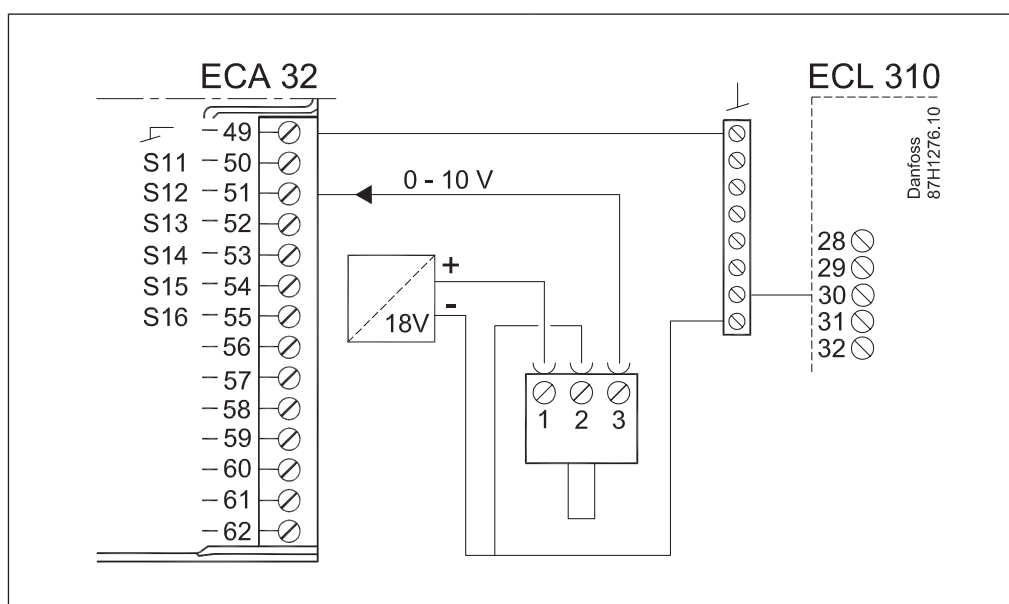
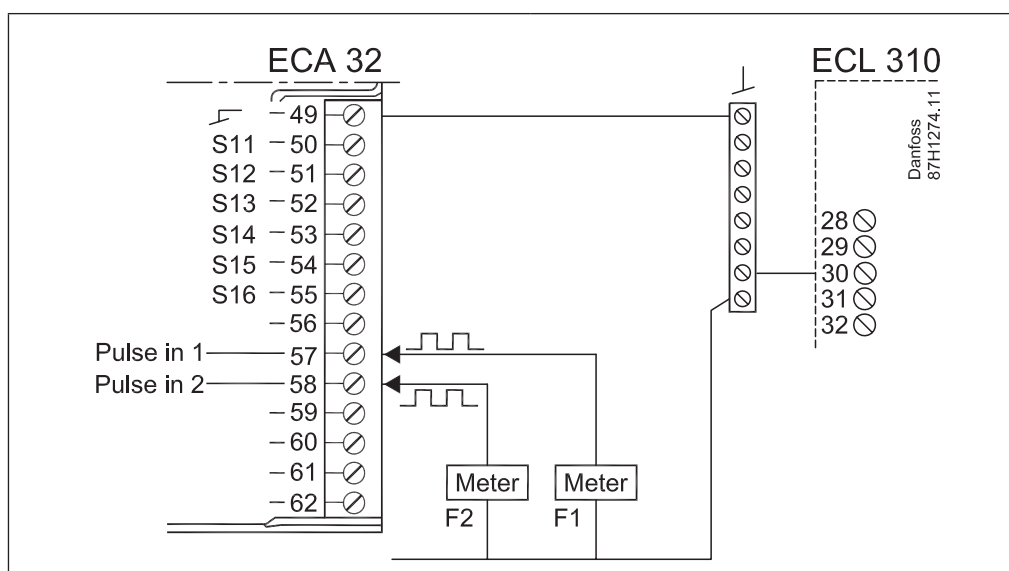




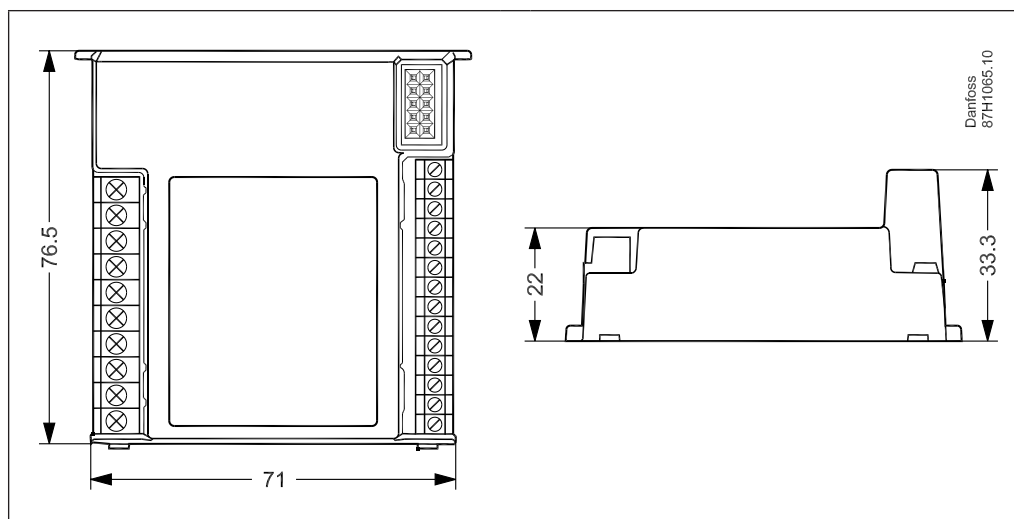
**Wiring example, Pt 1000
temperature sensor inputs**



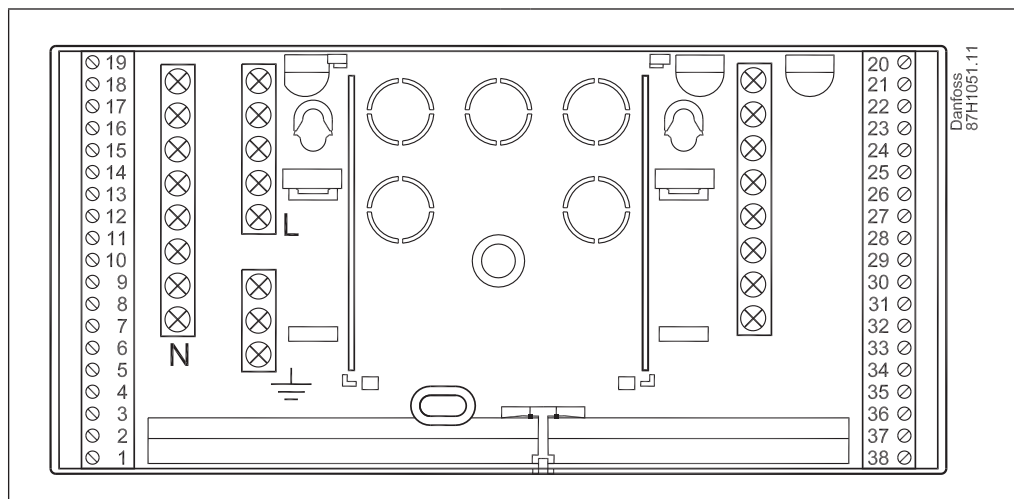
**Wiring example, pulse inputs
/ pressure transmitter**



Dimensions (in mm)



ECA 32



L = 210, W = 100

Base part for ECL Comfort 310

Additional documentation for ECL Comfort controllers, modules and accessories is available on <http://heating.danfoss.com/>

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