

Installation Guide

Electronic controller, CANBUS version Type EXD 316



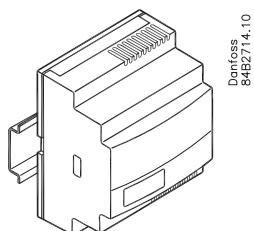
084R8031

084R8031

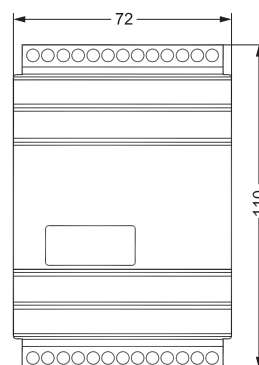
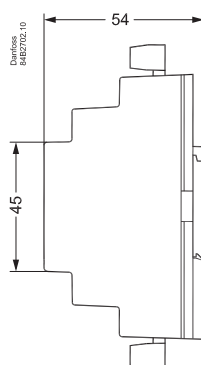
084R8031

UK - Identification / DK - Identifikation: 084B8042

Dimensions [mm] / Mål [mm]

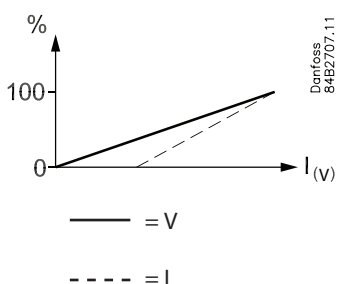


Danfoss
84B2714.10

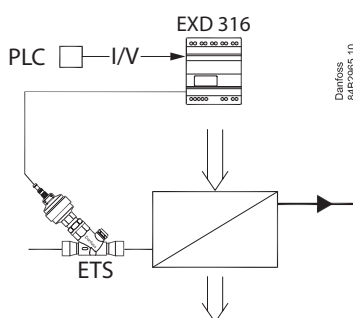


Application 1 / Anvendelse 1

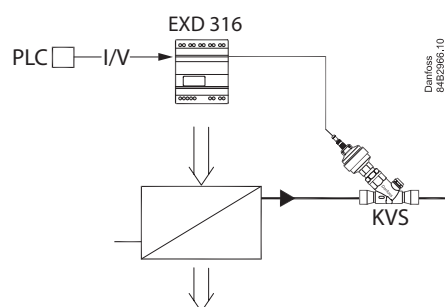
Index 5100_{HEX} SUB 0B_{HEX}



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84B2707.11



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84B2965.10

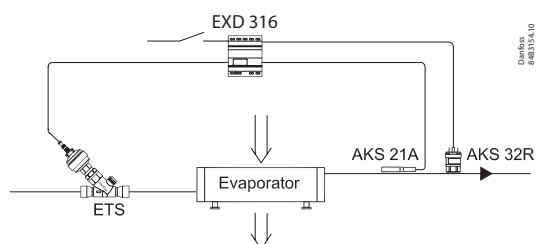


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84B2966.10

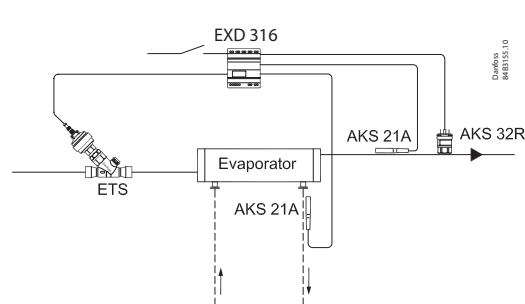
Application 2 / Anvendelse 2

Index 5100_{HEX} SUB 0B_{HEX}

(factory setting)
(fabriksindstilling)

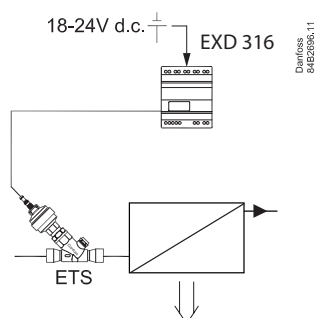


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84B3154.10



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84B3155.10

Battery back up



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84B2996.11

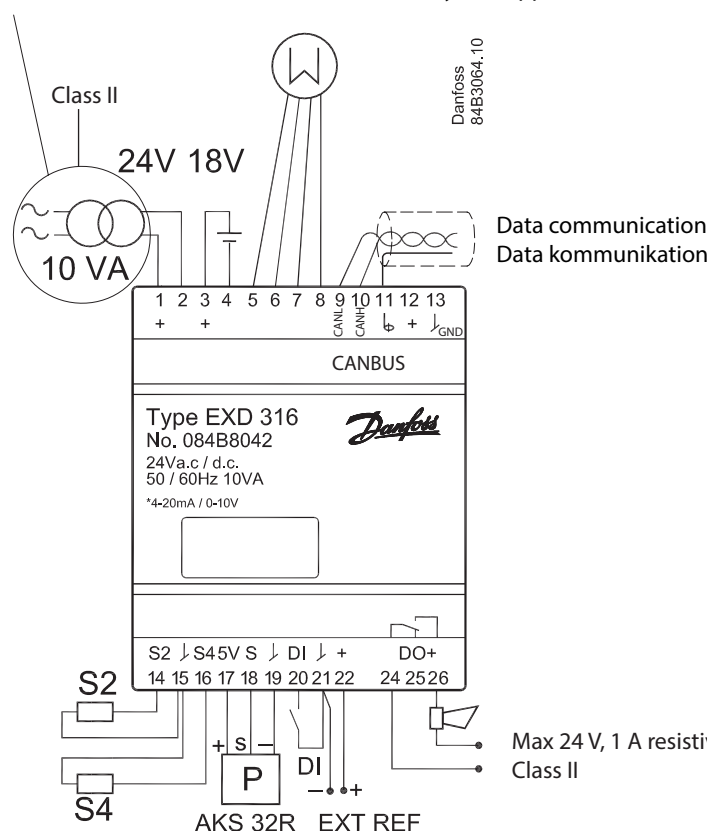


It is recommended to use a dedicated transformer.

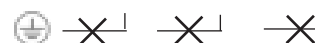
Det anbefales at anvende en specifik transformer.

Electric stepper motor valve

Elektronisk styret stepper motor ventil



1,2 3,4 21,22



Connection to earth will destroy the controller
Tilslutning til jord vil ødelægge regulatoren

Valve connection Ventil tilslutning

ETS 6		
Orange	Orange	5
Yellow	Gul	6
Red	Rød	7
Black	Sort	8

ETS / KVS		
White	Hvid	5
Black	Sort	6
Red	Rød	7
Green	Grøn	8

ENGLISH

Connections

Necessary connections

Terminals:

- 1-2 Supply voltage 24 V a.c. / d.c.
- 3-4 Battery (the voltage will close the ETS valve if the controller loses its supply voltage. *The battery voltage must be kept disconnected from terminals 1 and 2.*)
- 5-8 Supply to step motor.
- 9-13 Operation via data communication from a MCX controller.
- 20-21 Switch function for start/stop of regulation. If a switch is not connected, terminals 20 and 21 must be shortcircuited.

Application dependent connections

Superheat control

- 14-15 Pt 1000 sensor at evaporator outlet (S2).
- 15-16 Pt 1000 sensor for measuring air temperature (S4).
- 17-19 Pressure transmitter type AKS 32R (the signal can **not** be shared with other controllers).

Control of the valves opening degree with analog signal

- 21-22 Current signal or voltage signal from other regulation (Ext.Ref.)
- 24-26 Alarm relay
There is connection between 24 and 26 in alarm situations. When the controller is off there is connection between 24 and 25.

DANSK

Tilslutninger

Nødvendige tilslutninger

Klemme:

- 1-2 Forsyningsspænding 24 V a.c. / d.c.
- 3-4 Batteri (spændingen vil lukke ETS-ventilen, hvis regulatoren mister forsyningsspændingen. *Batterispændingen skal holdes adskilt fra klemme 1 og 2.*)
- 5-8 Spænding til stepmotor.
- 9-13 Betjening via datakommunikation fra en MCX controller.
- 20-21 Kontaktfunktion til start/stop af reguleringen. Hvis der ikke tilsluttes en kontakt, skal klemme 20 og 21 kortsluttes.

Applicationbestemte tilslutninger

Overhedningsregulering

- 14-15 Pt 1000 føler ved fordamperafgang (S2).
- 15-16 Pt 1000 føler til måling af lufttemperatur (S4).
- 17-19 Tryktransmitter type AKS 32R (signalet kan **ikke** deles med andre regulatore).

Styring af ventilens åbningsgrad med analogt signal

- 21-22 Strømsignal eller spændingssignal fra anden regulering (Ext. reference).
- 24-26 Alarmrelæet
Der er forbindelse imellem 24 og 26 i alarmsituationer. Hvis controlleren er off er der forbindelse mellem 24 og 25.