


Danfoss AK-PC 772 Pack Controller



Danfoss AK-PC 772 Pack Controller User Guide

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Danfoss AK-PC 772 Pack Controller



Specifications

Feature	Specification
Product Code	R18MY302
Temperature Range	-20°C to +55°C (-4°F to +131°F)
Humidity	0 – 95% RH, non-condensing
Protection Class	IP10 / VBG4
UL Certification	E31024
Analog Inputs (AI)	x 11
Digital Outputs (DO)	x 8
Supply Voltage	24V Transformer, Class II, a.c./d.c.
Maximum Voltage	Max. 10V / Max. 230V
Power Specifications	U _{min} : 48V a.c., I _{max} : 0.5A
Switching Capacity	SPDT: AC-1: 4A (ohmic), AC-15: 3A (Inductive)
Release Date	06-2018

Warning: Ensure power is disconnected before adding or removing modules.

The 24V must not be shared by other controllers or units. The 24V input must not have an earth connection.

Keep the safety distance. Low and high voltage must not be connected to the same output group.

Connection Diagrams and Terminal Assignments

Diagrams show the controller with various connection points and terminals. Symbols represent different types of connections and signals such as Analog Inputs (AI), Digital Outputs (DO), Ground (GND), and Voltage Signals (SIG). Details of the signal types for sensors, pressure (P), voltage (U), on/off switches, and relays are depicted.

Environmental and Disposal Information

The product contains electrical components and may not be disposed of with domestic waste. Equipment must be separately collected with electrical and electronic waste, according to local and currently valid legislation.

FAQ

Can the 24V supply be shared with other controllers or units?

No, the 24V supply must not be shared with other controllers or units.

Is there a specific requirement for the 24V input regarding earth connection?

Yes, the 24V input must not have an earth connection.

Are there any specific safety precautions to consider when connecting outputs?

Yes, you must keep the safety distance, and low and high voltage must not be connected to the same output group.

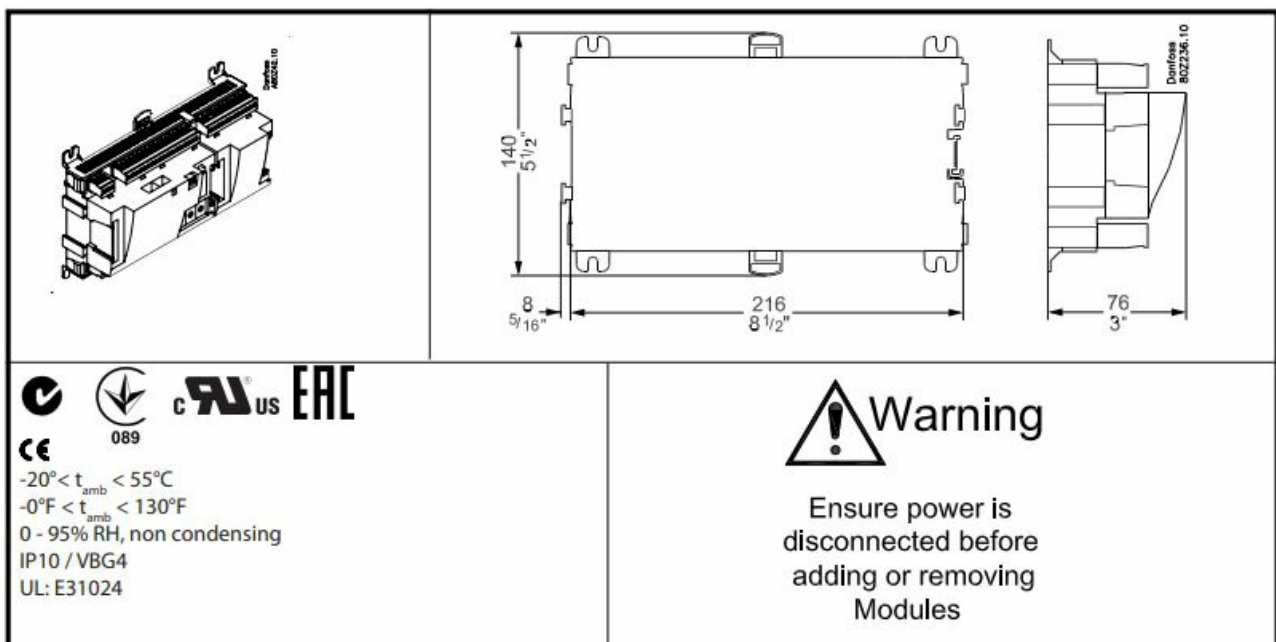
What should be done before adding or removing modules?

Power must be disconnected before adding or removing modules to ensure safety.

How should the product be disposed of?

The product must be disposed of separately from domestic waste and in accordance with local and current electrical and electronic waste legislation.

DIMENSION



Supply voltage

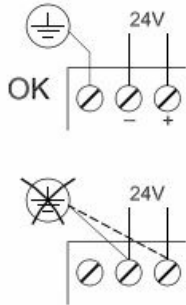
AI x 11
DO x 8

Supply voltage:

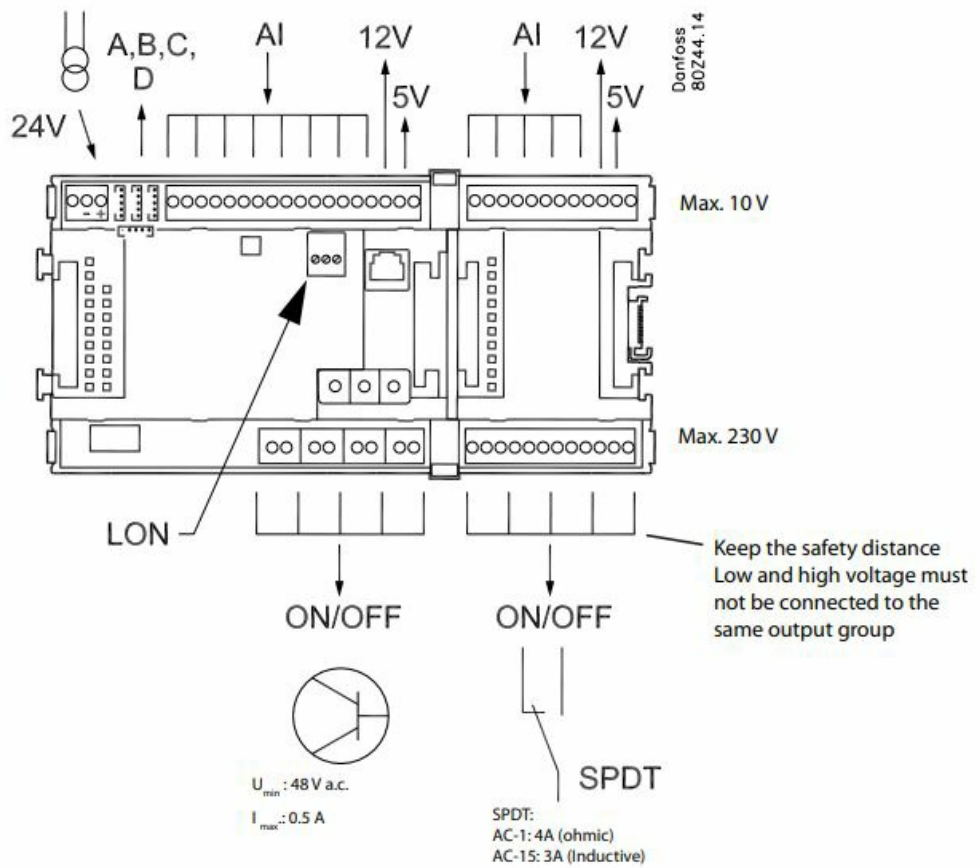
Transformer
Class II  a.c./d.c.

The 24V must not be shared by other controllers or units

The 24 V input must not have earth connection

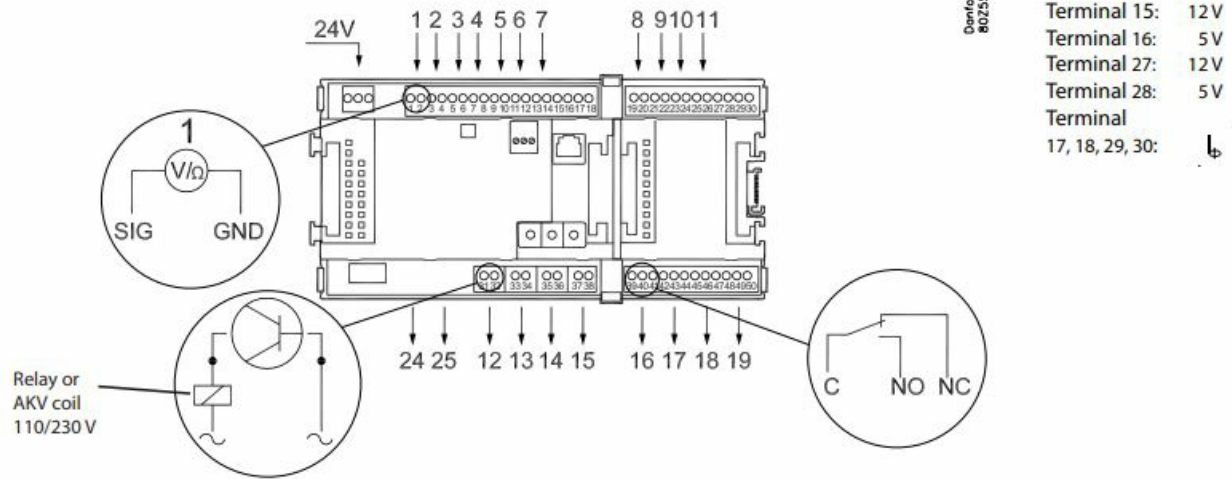


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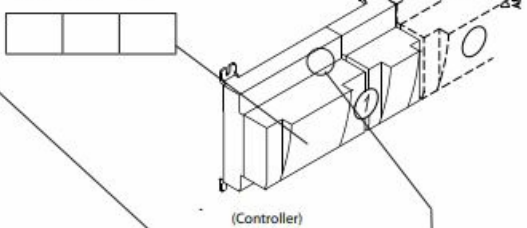
Point

Point



	Signal	Signal type
S (sensor) Pt 1000 ohm/0°C 	S1 S2... Saux1 Saux2 SSA SdA	Pt 1000
P (pressure) AKS 32R 	POA POB PcA PcB	AKS 32R AKS 2050 MBS 8250 -1 - xx bar
AKS 32 		AKS 32 -1 - zz bar
U (voltage) + — SIG - — GND	...	0 - 5V 0 - 10V
On/Off 	Ext. Main switch Day/Night Door	Active at: Closed Open
DO 	Comp 1 Comp 2 Fan 1 Alarm	Active at: ON OFF
AO - — 0-10 V + —	AO	0-10 V

Address

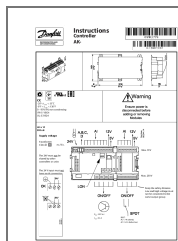


Signal	Signal type / Active at	Module	Point	Terminals
		1	1 (AI 1)	1 - 2
			2 (AI 2)	3 - 4
			3 (AI 3)	5 - 6
			4 (AI 4)	7 - 8
			5 (AI 5)	9 - 10
			6 (AI 6)	11 - 12
			7 (AI 7)	13 - 14
			8 (AI 8)	19 - 20
			9 (AI 9)	21 - 22
			10 (AI 10)	23 - 24
			11 (AI 11)	25 - 26
			12 (DO 1)	31 - 32
			13 (DO 2)	33 - 34
			14 (DO 3)	35 - 36
			15 (DO 4)	37 - 38
			16 (DO 5)	39 - 41
			17 (DO 6)	42 - 44
			18 (DO 7)	45 - 47
			19 (DO 8)	48 - 50
			24 (AO1)	-
			25 (AO2)	-



The Product contains electrical components.
And may not be disposed together with domestic waste.
Equipment must be separate collected with Electrical and Electronic waste. According to Local and currently valid legislation.

Documents / Resources



[Danfoss AK-PC 772 Pack Controller](#) [pdf] User Guide
AK-PC 772 Pack Controller, AK-PC 772, Pack Controller, Controller

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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