



Danfoss AK-PC 781B Pack Controller Installation Guide

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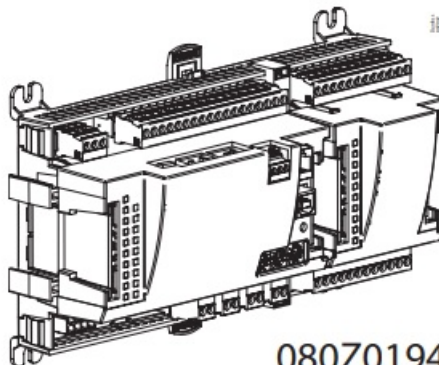


ENGINEERING
TOMORROW
Installation Guide
Pack Controller, type AK-PC 781B
with USB-B

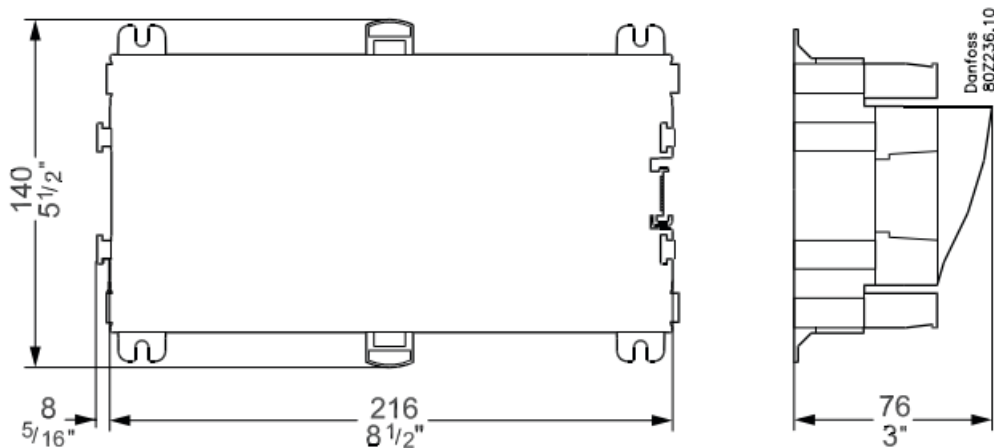
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AK-PC 781B Pack Controller



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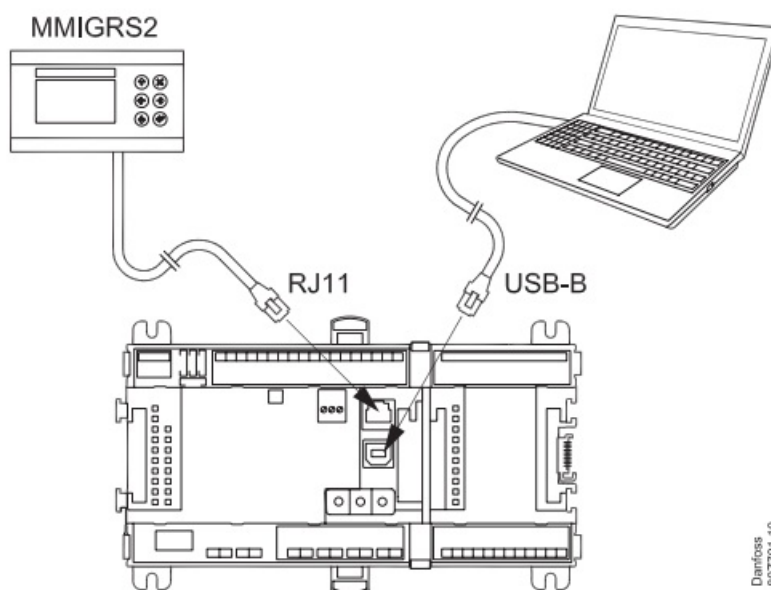


CE -20°C<tamb , <55°C
 0°F<t,amb , <130°F
 0-95% RH, non condensing
 P10 /VBG4
 UL: E31024



Warning

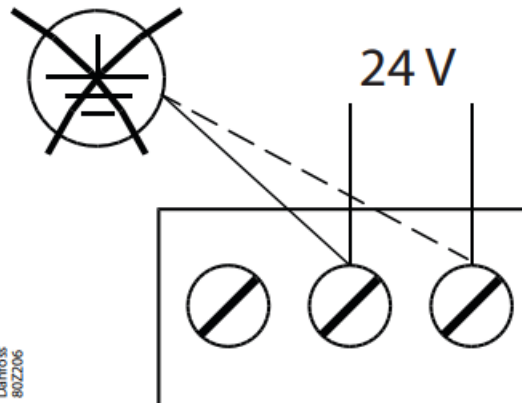
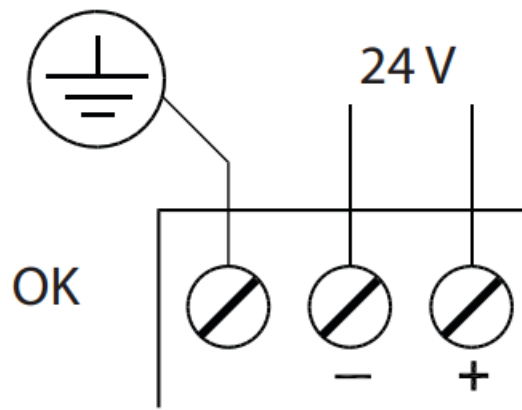
Ensure power is disconnected before adding or removing modules.



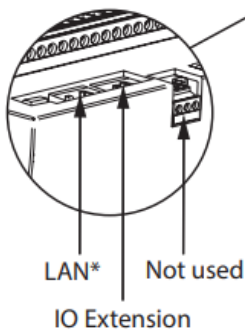
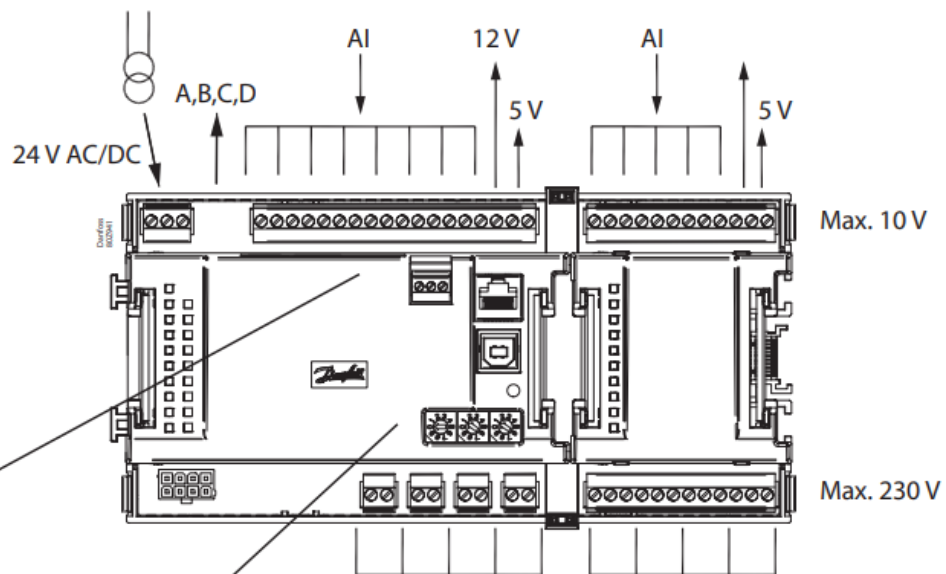
AI x11 DOx8
Supply voltage:
 Transformer Class IT



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



Danfoss
802206



For the LAN with
IP communication,
the address must be
set between 011 – 199.
Factory setting: 011

ON/OFF



ON/OFF



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

SPDT

*Shielded twisted pair CAT5

U_{min} : 48 V AC

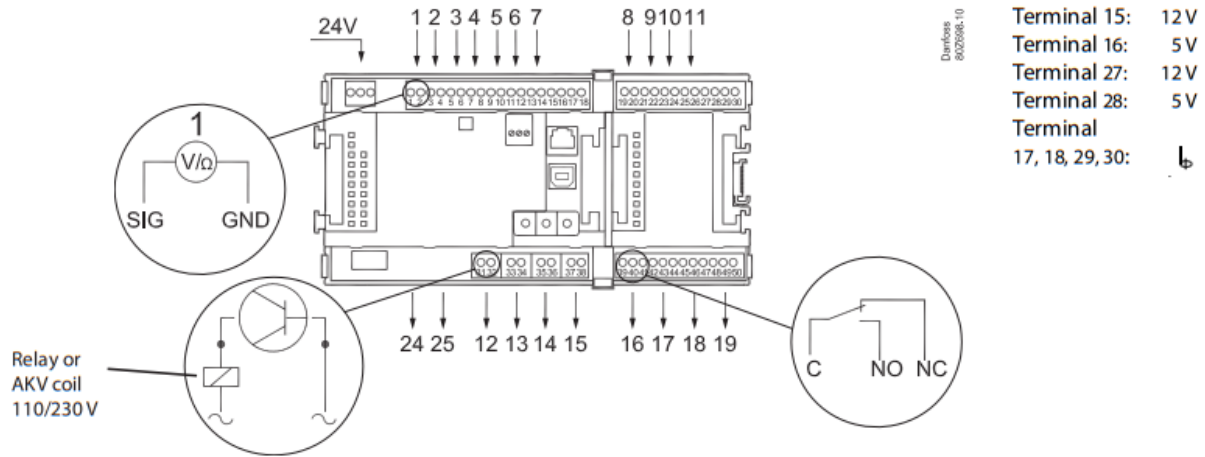
I_{max} : 0.5 A

SPDT:

AC-1: 4A (ohmic)

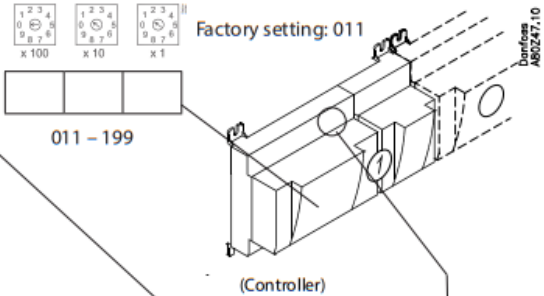
AC-15: 3A (Inductive)

Point



	Signal	Signal type
S (sensor) Pt 1000 ohm/0°C 	S1 S2... Saux1 Saux2 SSA SdA	Pt 1000
P (pressure) 	POA POB PcA PcB	AKS 32R AKS 2050 MBS 8250 -1 - xx bar AKS 32 -1 - zz bar
U (voltage) + — SIG - — GND	...	0 - 5 V 0 - 10 V
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 + — 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.

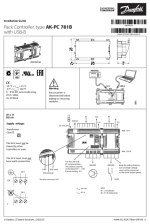


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Documents / Resources



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AK-PC 781B, AK-PC 781B Pack Controller, Pack Controller, Controller

[Manuals+](#)