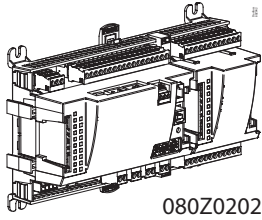


Installation Guide

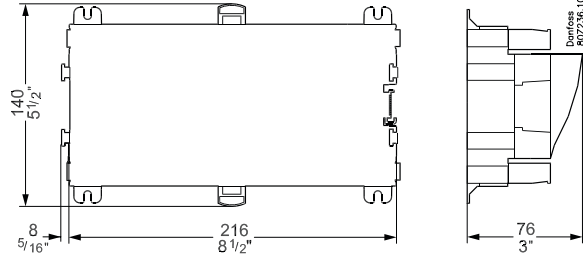
Pack Controller, type **AK-PC 782B**  
with USB-B



AN412826307589en-000201



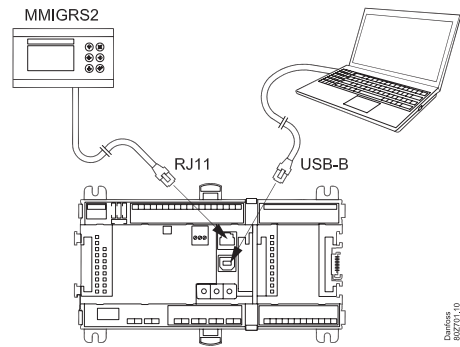
080Z0202



CE  
-20 °C < t<sub>amb</sub> < 55 °C  
-0 °F < t<sub>amb</sub> < 130 °F  
0 – 95% RH, non condensing  
IP10 / VBG4  
UL: E31024



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



080Z0202

AI x 11  
DO x 8

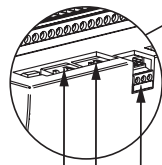
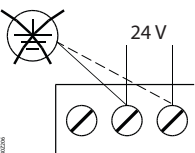
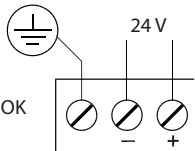
**Supply voltage:**

Transformer  
Class II



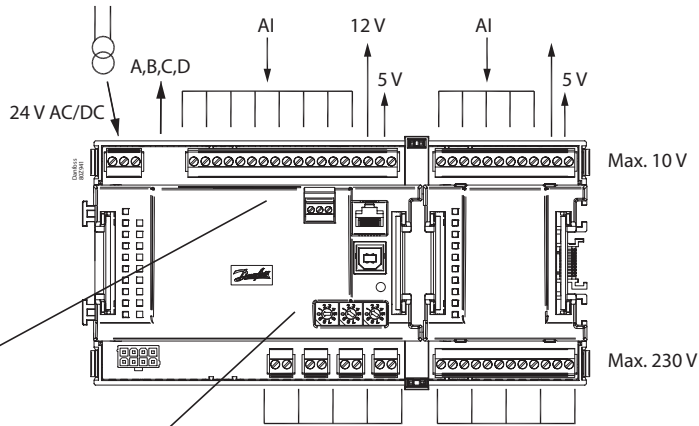
The 24 V must not be shared by other controllers or units

The 24 V input must not have earth connection

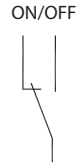


LAN\* Not used  
IO Extension

\*Shielded twisted pair CAT5



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



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

U<sub>min</sub>: 48 V AC  
I<sub>max</sub>: 0.5 A

SPDT:  
AC-1: 4A (ohmic)  
AC-15: 3A (Inductive)

**Point**

Terminal 15: 12 V  
Terminal 16: 5 V  
Terminal 27: 12 V  
Terminal 28: 5 V  
Terminal 17, 18, 29, 30:  $\perp$

**Address**

Factory setting: 011  
011 - 199

(Controller)

	Signal	Signal type	Address	Signal	Signal type / Active at	Module	Point	Terminals
<b>S (sensor)</b> Pt 1000 ohm/0°C 	S1	Pt 1000	011 - 199			<b>1</b>	1 (AI 1)	1 - 2
	S2... Saux1 Saux2 SSA SdA							2 (AI 2)
<b>P (pressure)</b> Danfoss A60246,10 AKS 32R 	POA POB PcA PcB	AKS 32R AKS 2050 MBS 8250 -1 - xx bar					3 (AI 3)	5 - 6
	AKS 32 	AKS 32 -1 - zz bar					4 (AI 4)	7 - 8
<b>U (voltage)</b> 	+	0 - 5 V 0 - 10 V					5 (AI 5)	9 - 10
	-						6 (AI 6)	11 - 12
<b>On/Off</b> 	Ext. Main switch	<b>Active at:</b> Closed Open					7 (AI 7)	13 - 14
	Day/Night						8 (AI 8)	19 - 20
	Door						9 (AI 9)	21 - 22
<b>DO</b> 	Comp 1	<b>Active at:</b> ON OFF					10 (AI 10)	23 - 24
	Comp 2						11 (AI 11)	25 - 26
	Fan 1						12 (DO 1)	31 - 32
<b>AO</b> 	Alarm						13 (DO 2)	33 - 34
							14 (DO 3)	35 - 36
<b>AO</b> 	0-10 V	AO					15 (DO 4)	37 - 38
							16 (DO 5)	39 - 41
							17 (DO6)	42 - 44
							18 (DO7)	45 - 47
							19 (DO8)	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.