



REFRIGERATION AND  
AIR CONDITIONING

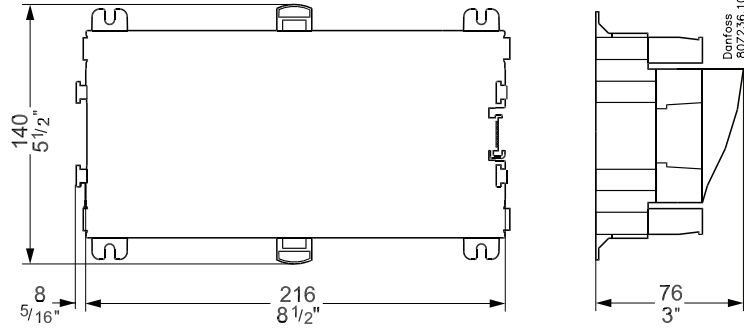
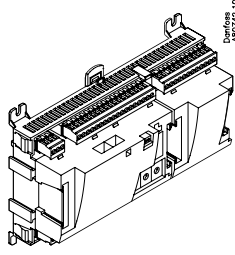
# Instructions Controller AK-



080R9279



RI8MY302



-20°C <math>t\_{amb}</math> <math>< 55^{\circ}\text{C}</math>  
 -0°F <math>< t\_{amb}</math> <math>< 130^{\circ}\text{F}</math>  
 0 - 95% RH, non condensing  
 IP10 / VBG4  
 UL: E31024



**Warning**  
 Ensure power is  
 disconnected before  
 adding or removing  
 Modules

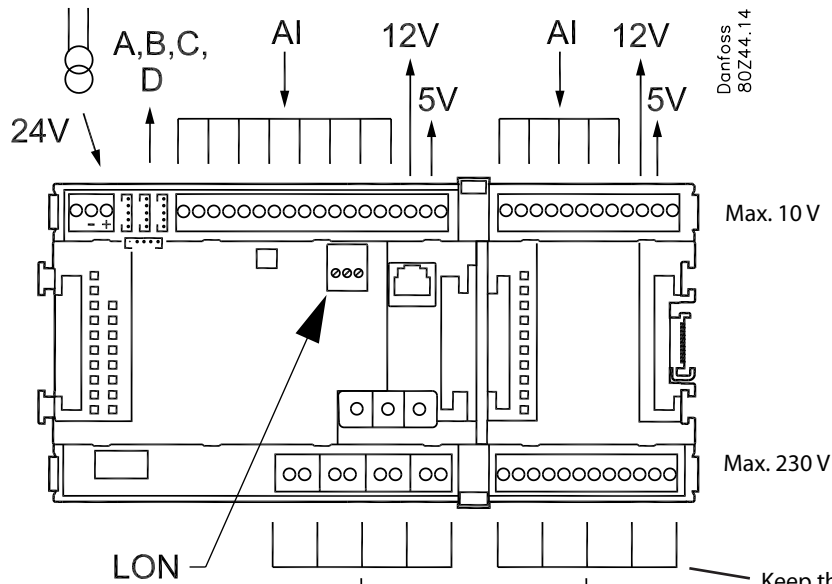
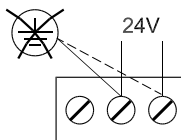
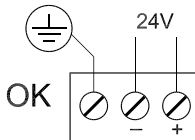
AI x 11  
 DO x 8

**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



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

$U_{min}$ : 48 V a.c.  
 $I_{max}$ : 0.5 A

SPDT

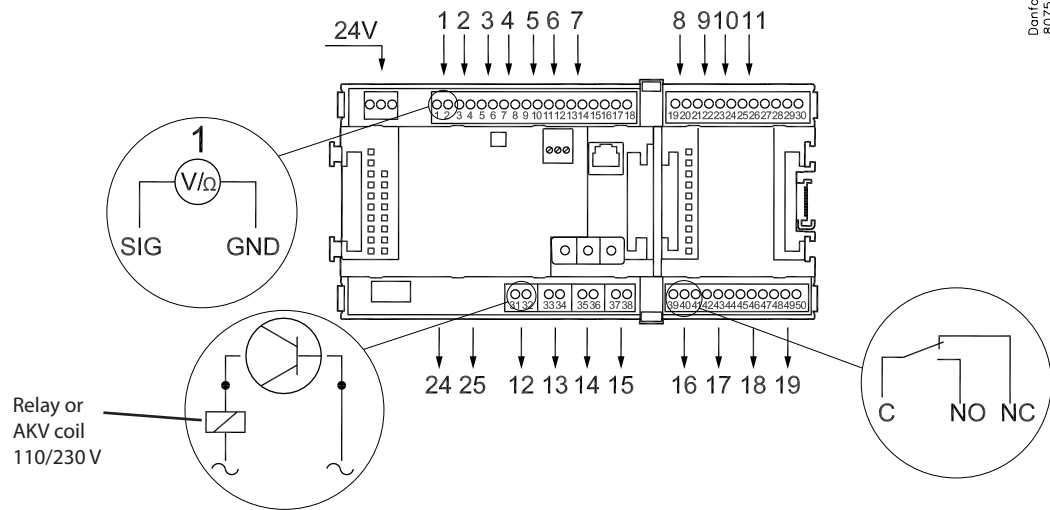
SPDT:  
 AC-1: 4A (ohmic)  
 AC-15: 3A (Inductive)

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 80Z206.11

**Point**

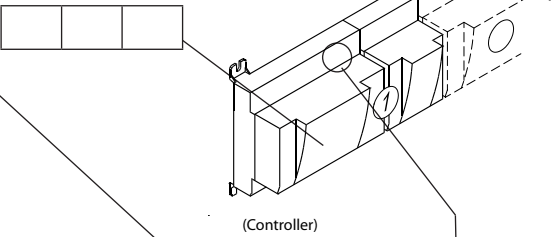
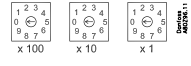
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80255.12

- Terminal 15: 12V
- Terminal 16: 5V
- Terminal 27: 12V
- Terminal 28: 5V
- Terminal 17, 18, 29, 30:



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

**Address**



Signal	Signal type / Active at	Module	Point	Terminals
		<b>1</b>	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 (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.