



REFRIGERATION AND  
AIR CONDITIONING

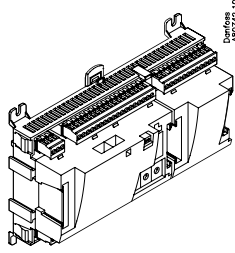
# Instructions System manager AK-SM 720



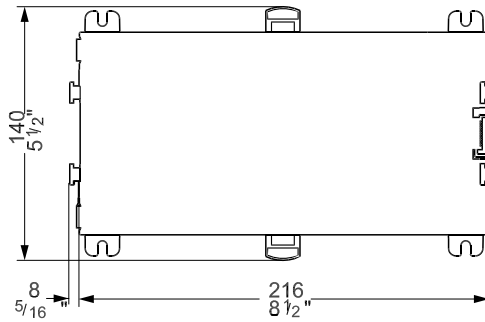
080R9259



RI8LL102



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CE

-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: E166834

AK-SM 720

See manual: RS8EC

Data communication

See literature : RC8AC

AI x 11

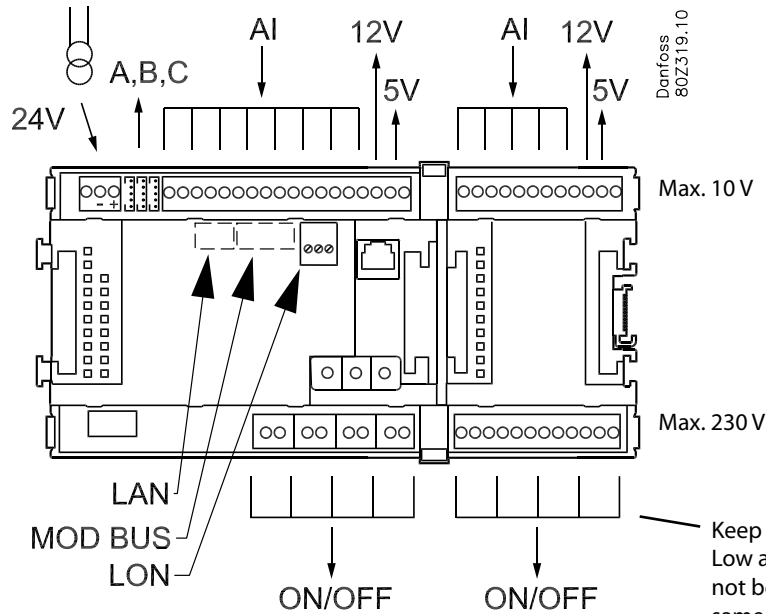
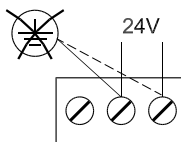
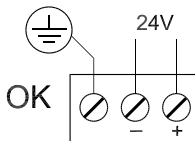
DO x 8

**Supply voltage:**

Transformer  
Class II

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

The 24 V input must not have earth connection



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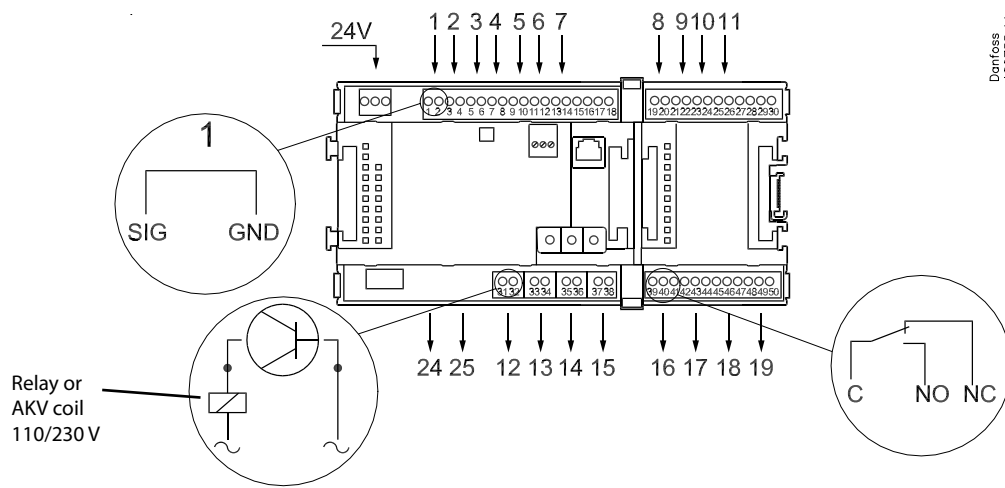
$U_{min}$ : 48 V a.c.

$I_{max}$ : 0.5 A

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

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**Point**

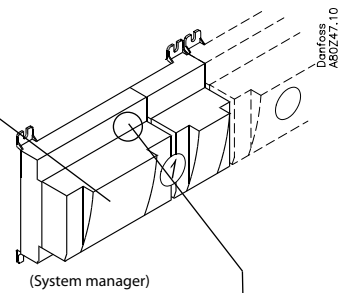
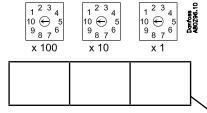


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- Terminal 15: 12V
- Terminal 16: 5V
- Terminal 27: 12V
- Terminal 28: 5V
- Terminal 17, 18, 29, 30:

	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 -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.