



REFRIGERATION AND
AIR CONDITIONING

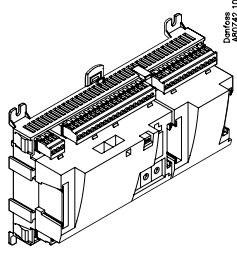
Instructions System manager AK-SM 720



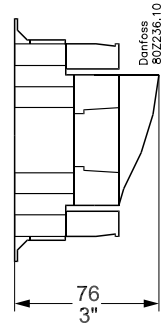
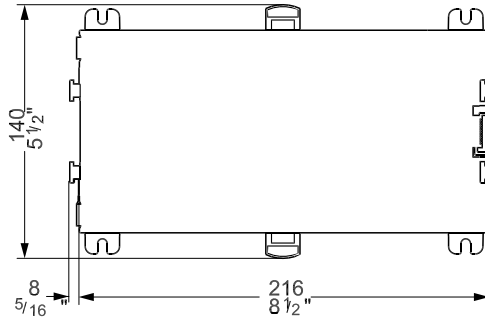
080R9259



RI8LL102



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CE

-20°C t_{amb} <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

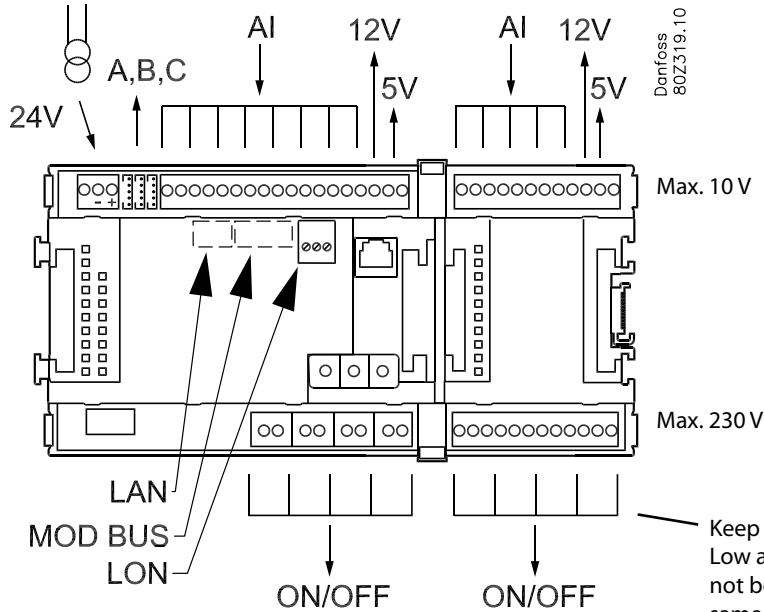
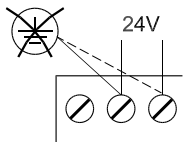
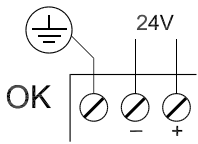
AI x 11
 DO x 8

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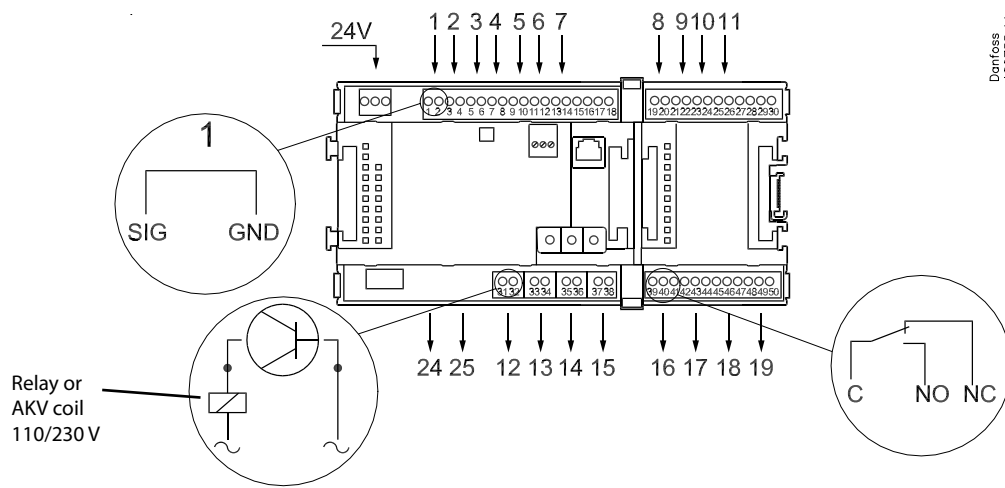
Keep the safety distance
 Low and high voltage must
 not be connected to the
 same output group

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

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

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Point

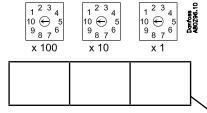


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- Terminal 15: 12V
- Terminal 16: 5V
- Terminal 27: 12V
- Terminal 28: 5V
- Terminal 17, 18, 29, 30:

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

DE-BD