



REFRIGERATION AND  
AIR CONDITIONING

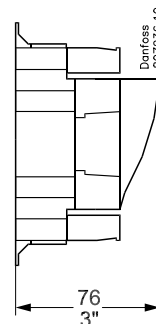
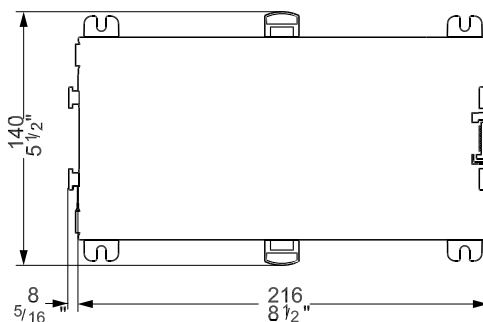
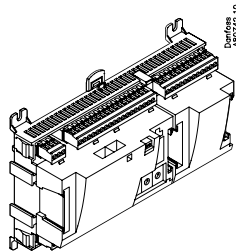
# Instructions Controller AK-



080R9279



RI8MY102



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: E166834

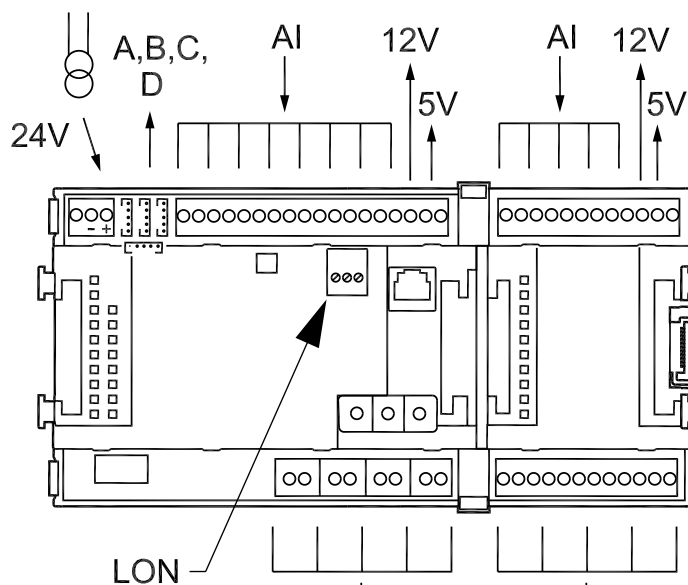
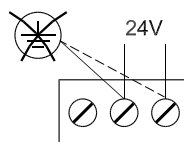
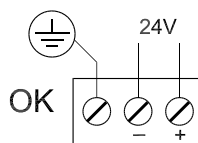
AI x 11  
DO x 8

## 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



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80Z44.14

Max. 10 V

Max. 230 V

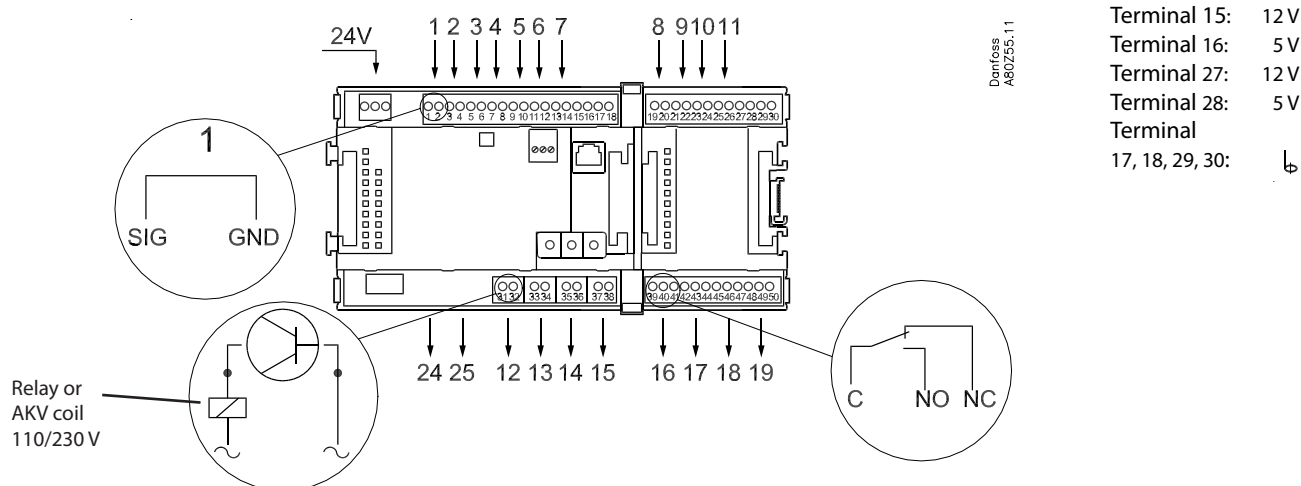
Keep the safety distance  
Low and high voltage must  
not be connected to the  
same output group

U<sub>min</sub>: 48 V a.c.  
I<sub>max</sub>: 0.5 A

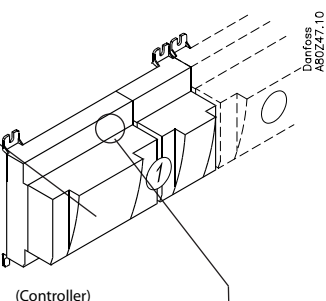
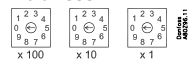
SPDT:  
AC-1: 4A (ohmic)  
AC-15: 3A (Inductive)

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80Z26.11

# Point



## Address



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

| 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.