



Danfoss AK-PC 782B Pack Controller Installation Guide

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Danfoss AK-PC 782B Pack Controller



Product Information

The product is the Pack Controller, type AK-PC 782B with USB-B.

It is manufactured by Danfoss and has the model number 080R9351 AN412826307589en-000201. The controller has AI x 11 (analog input) and DO x 8 (digital output) capabilities. It operates on a supply voltage of 24 V AC/DC and has a transformer Class II.

The controller has various terminals and connections, including LAN* (not used), IO Extension, SPDT (Single-Pole Double-Throw) relay, and AKV coil 110/230 V. It also supports different signal types such as P (pressure), U (voltage), and Pt 1000.

It is important to note that the 24 V input should not be shared by other controllers or units, and it must not have an earth connection. Additionally, low and high voltage must not be connected to the same output group to ensure safety.

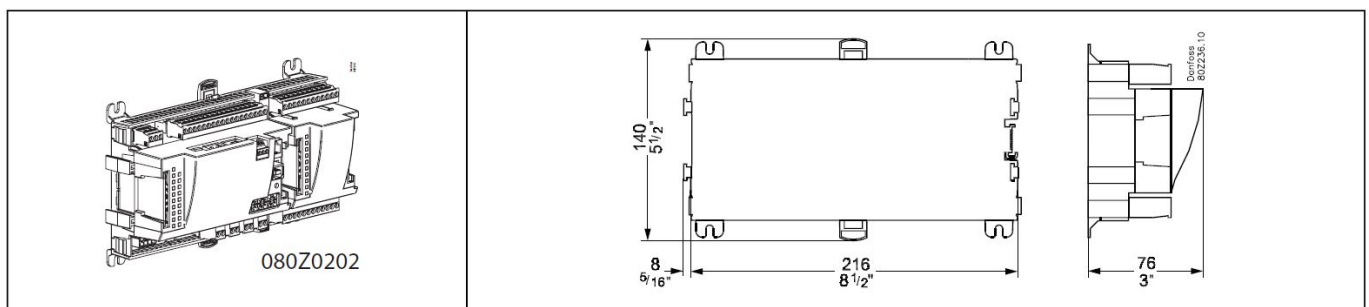
Product Usage Instructions

1. Before adding or removing modules, ensure that the power is disconnected.
2. Connect the controller to a suitable power source with a supply voltage of 24 V AC/DC.
3. Make sure that the 24 V input does not have an earth connection.
4. Connect any required analog input devices to the corresponding terminals based on the signal type and active state mentioned in the manual.
5. Connect any required digital output devices to the corresponding terminals based on the signal type and active state mentioned in the manual.
6. If using the LAN feature, use a shielded twisted pair CAT5 cable for connection.
7. For any external switches or devices that need to be connected, follow the specified active state (e.g., Closed/Open, ON/OFF).
8. Dispose of the product and any electrical components according to local and currently valid legislation. Do not dispose of them with domestic waste; they should be separately collected as electrical and electronic waste.

Please refer to the user manual for additional information and specific usage instructions.

Pack Controller

type AK-PC 782B with USB-B



INSTRUCTION



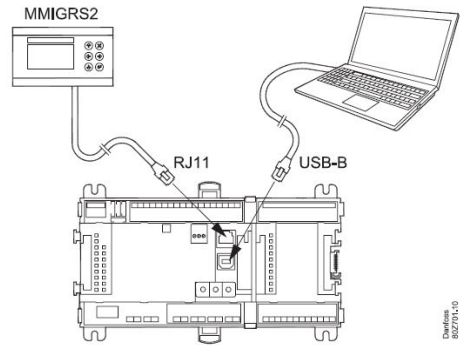
CE

-20 °C < t_{amb} < 55 °C
-0 °F < t_{amb} < 130 °F
0 – 95% RH, non condensing
IP10 / VBG4
UL: E31024



Warning

Ensure power is disconnected before adding or removing modules.



Derivates
802/91-10

AI x 11
DO x 8

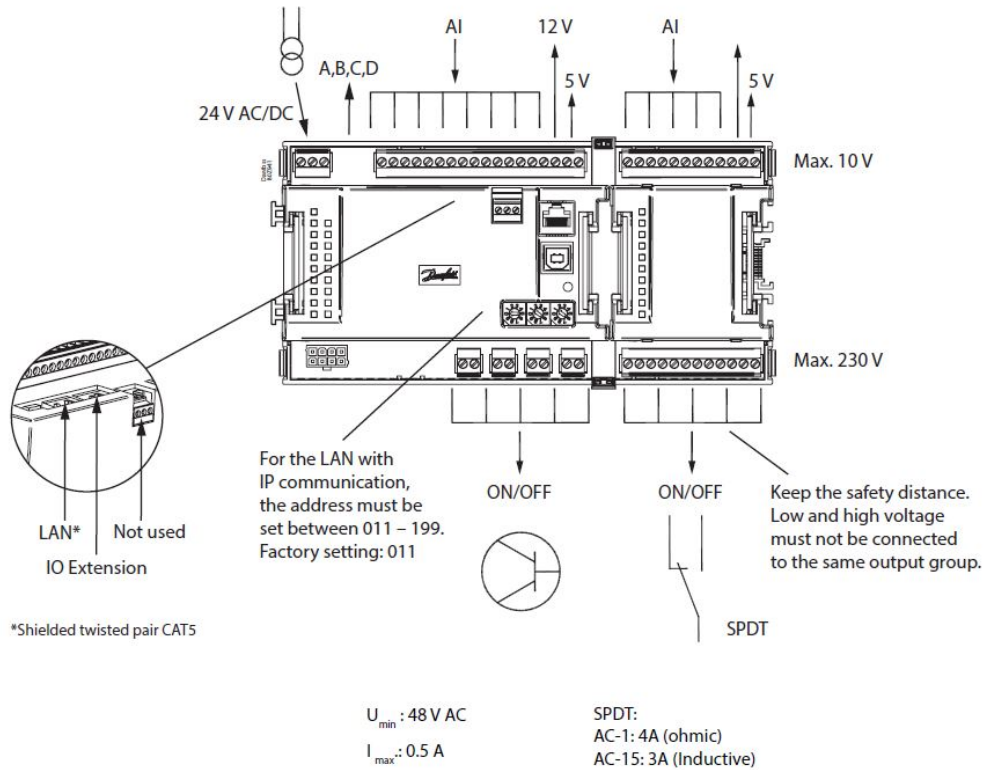
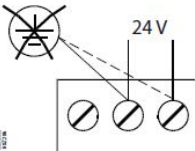
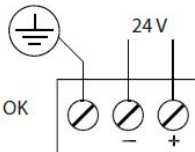
Supply voltage:

Transformer
Class II



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

The 24 V input must not have earth connection



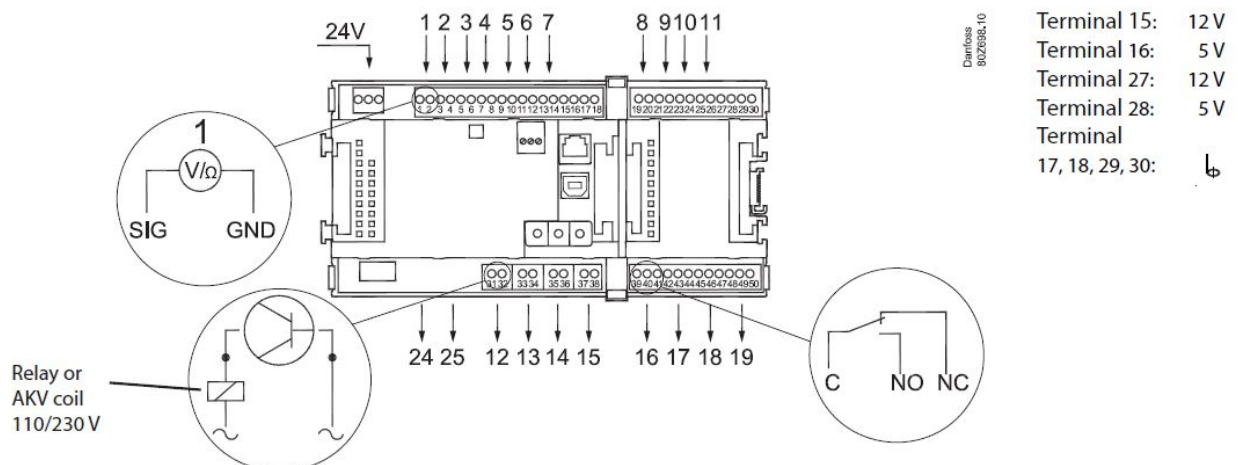
*Shielded twisted pair CAT5

U_{min}: 48 V AC
I_{max}: 0.5 A

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

Point

Point



Derivates
802/98-10

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

