



REFRIGERATION AND
AIR CONDITIONING

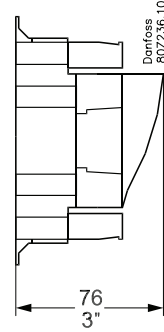
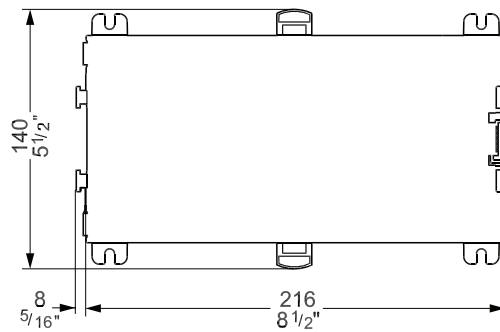
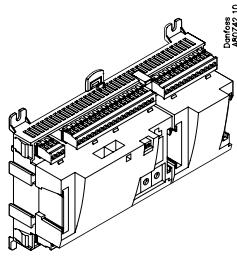
Instructions Controller AK- With USB-B



080R9343



R18TB202



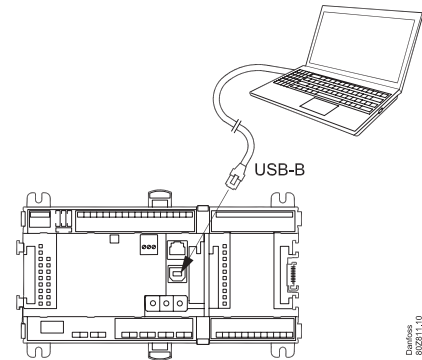
CE

-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



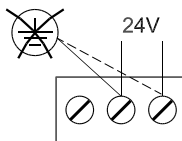
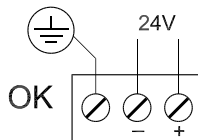
AI x 11
DO x 8

Supply voltage:

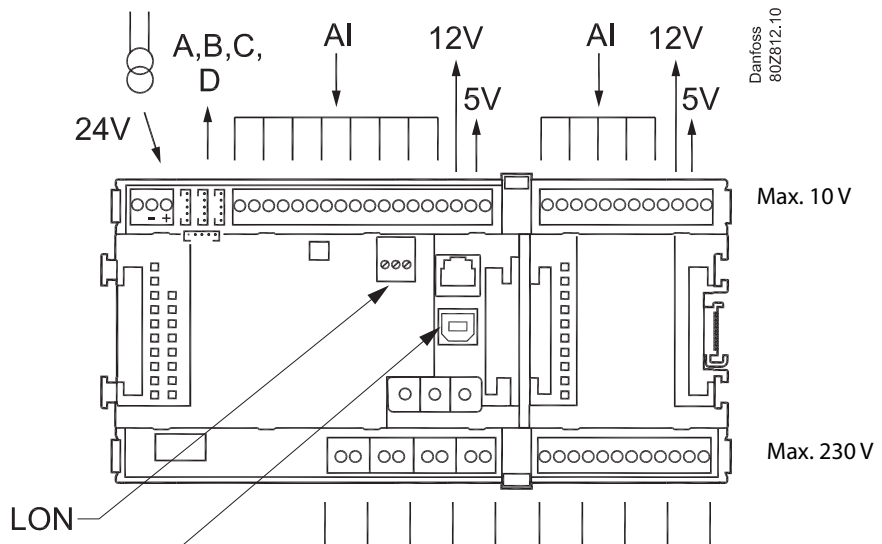
Transformer
Class II  a.c./d.c.

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

The 24 V input must not
have earth connection



AK-ST500
(USB-B)



U_{min}: 48 V a.c.

I_{max}: 0.5 A

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

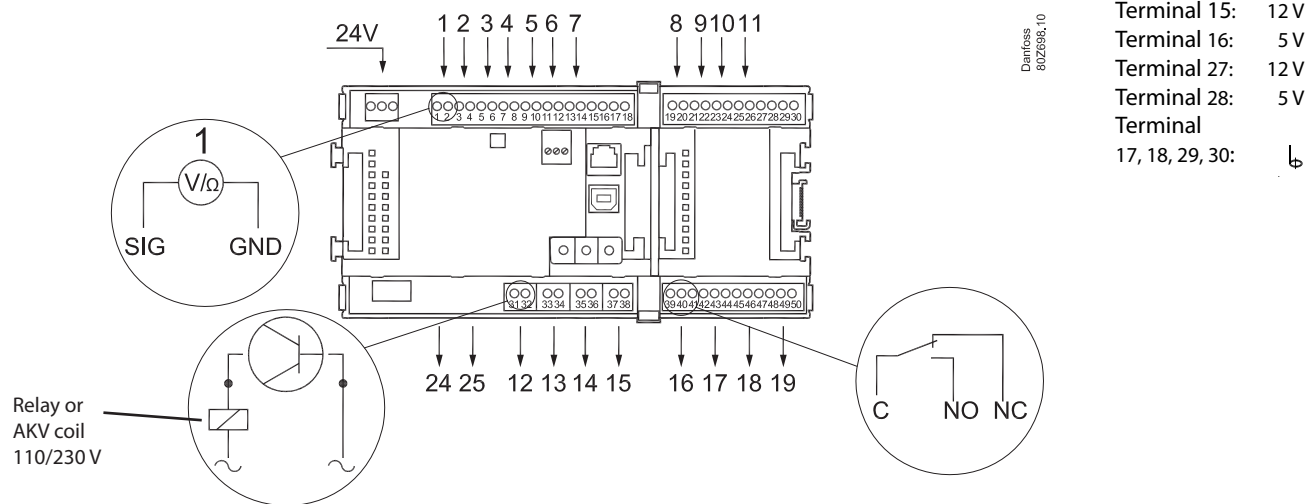
Keep the safety distance
Low and high voltage
must not be connected
to the same output
group

Danfoss
802206.11

Danfoss
802812.10

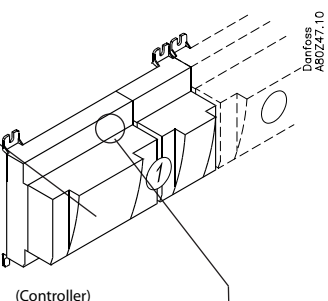
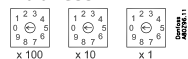
Danfoss
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Point



	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 AKS 2050 MBS 8250 -1 - xx bar AKS 32 -1 - zz bar
U (voltage) + — SIG - — GND	...	0 - 5 V 0 - 10 V
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 - — 0-10 V + — 0-10 V	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 (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.