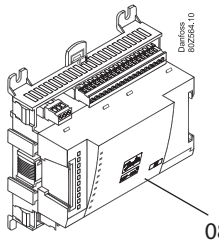
REFRIGERATION AND AIR CONDITIONING

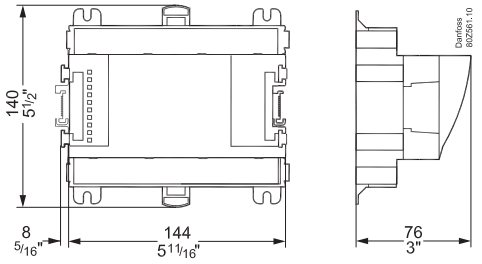
Instructions

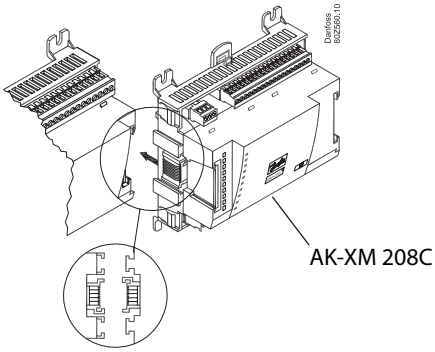
080R9299

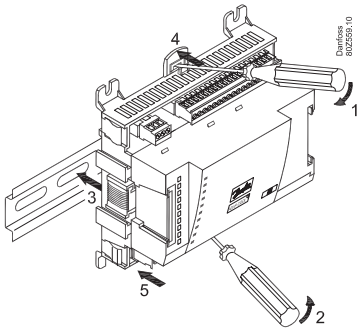
Stepper output module AK-XM 208C

RI8PS802









CE

-20°< t_{amb} < 55°C°
-0°F < t_{amb} < 130°F
0 - 95% RH, non condensing
IP10 / VBG4
Controller supply = 5 VA
Valve supply = 7.8 VA + valves.
Class II construction

c UL us Listed
4VR5
UL file: E357029
Class 2 or LPS in accordance with NEC.
For supply connections, use 16 AWG or larger wires rated for at least 90°C (194°F).
Use copper conducters only.

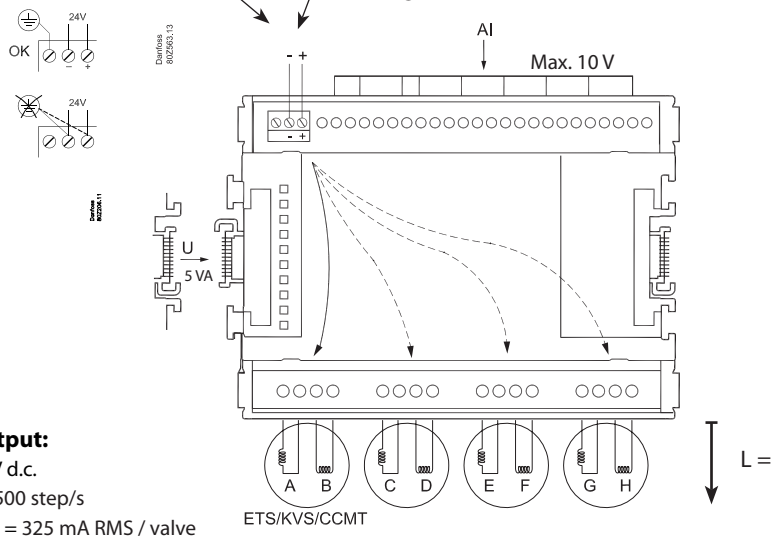
Warning

Ensure power is disconnected before adding or removing Modules

4 x stepper valve output
8 x AI

Separate power supply to AK-XM 208C:
24 V a.c. / d.c. +/- 20%
xx VA
xx = Eg: 7.8 + (4 x 1.3) = 13 VA ⇨ AK-PS 075
xx = Eg: 7.8 + (4 x 5.1) = 28.2 VA ⇨ AK-PS 150

The terminals "+" and "-" must **not** be earthed.



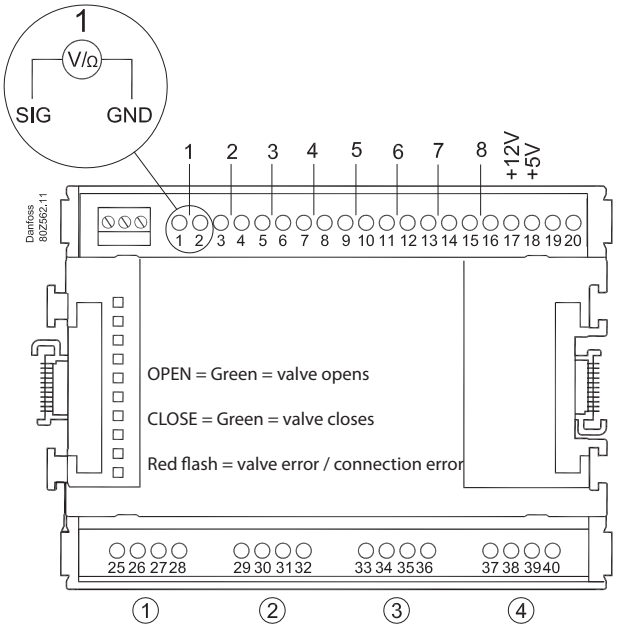
Valve data	
Type	**P**
ETS 12.5 - ETS 400 KVS 15 - KVS 42 CCMT 2 - CCMT 8 CCM 10 - CCM 40 CTR 20	1.3 VA
CCMT 16 - CCMT 42	5.1 VA

Output:
24 V d.c.
20-500 step/s
$I_{max.}$ = 325 mA RMS / valve
ΣP_{out} = **max. 21 VA**

L = max. 30 m. (Filter AKA 211 must not be used.)

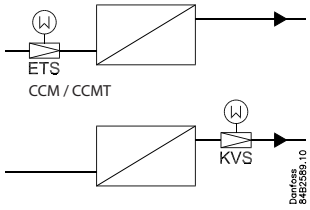
The connection to the valve must not be broken using a relay

Point



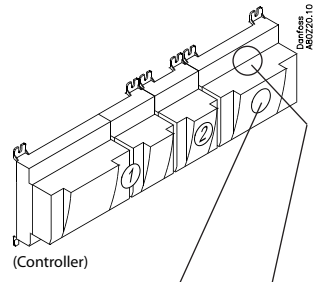
Terminal 17: 12 V
Terminal18: 5 V
Terminal 19,20 :

The screen on the pressure transmitter cables must only be connected at the end of the module.



Step / Terminal					
	1	25	26	27	28
	2	29	30	31	32
	3	33	34	35	36
	4	37	38	39	40
ETS					
CCM / CCMT					
CTR		White	Black	Red	Green
KVS 15					
KVS 42-54					

	Signal	Signal type
S (sensor) Pt 1000 ohm/0°C SIG GND	S1 S2 Saux1 Saux2 SSA SdA	Pt 1000
P (pressure) AKS 32R AKS 2050 SIG GND 5V AKS 32 SIG GND 12V	P0A P0B PcA PcB Paux	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 SIG GI	Ext. Main switch Day/ Night Door	**Active at:** Closed / Open



Signal	Signal type / Active at	Module	Point	Terminal
			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)	**15 - 16**
	Valve			
A B ETS/KVS/CCMT			**9** (Step 1)	**25 - 28**
			10 (Step 2)	**29 - 32**
			11 (Step 3)	**33 - 36**
			12 (Step 4)	**37 - 40**

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.

ADAP-KOOL®