

Installation Guide

Stepper output module
Type **AK-XM 208C**



080R9299



AN055886442238en-000801

080Z0023

Info for Centralized (Rack) control

- AK-XM 208C opens and closes opposite to how AK-XM 208B
- Ensure AK-XM 208C has a dedicated line up (Comm module + 208C only). No other modules to be added to AK-XM 208C.

AK-XM 208C

CE

-20 °C < 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

UL 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 conductors only.

Warning

Ensure power is disconnected before adding or removing Modules

**4 x stepper valve output
8 x AI**

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

Separate power supply to AK-XM 208C:
24 V AC / AC +/- 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

AI Max. 10 V

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

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

ETS/KVS/CCMT

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

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

