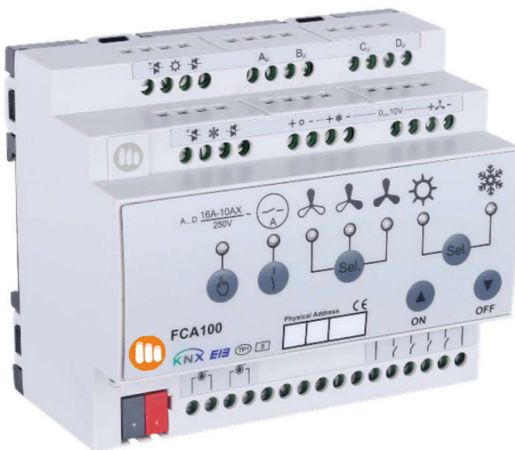


MX KNX - FANCOIL ACTUATOR



MX-FC1001

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- MX-FC1001 has 11 outputs, 6 inputs inside. These outputs and inputs are using for:
 - Auxiliary Output x1 (Relay 16A)
 - Fan Speed Output x3 (Relay 16A)
 - Fan Speed Output x1 (0-10 V Signal)
 - Valve Control Output x4 (Triac 0.5A)
 - Valve Control Output x2 (0-10 V Signal)
 - Dry Contact Input x4
 - NTC Sensor Input x2
- Device has 4 independent input channels. Input channel operates as well as universal interface with following functions ,
 - Switch / push button sensor
 - Dew-point sensor
 - Window sensor
- Device has 2 temperature input channels separately.
Temperature Inputs can be used with following functions,
 - Single
 - Weighted (Multi temp sensor)
- Fan Coil Actuator MX-FC1001 is designed as all in one product for different way of Fan coil and Value control together.
- Fan Coil Actuator MX-FC1001 covers HVAC systems of the electrical installation of room applications and offers following functions in one product.
 - Controlling fan coils (2 & 3-point valve)
 - Additional Heat or Cooling
 - Switching auxiliary load
 - Dry contact inputs
 - Temperature inputs
- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60 669.
 - Any kind of load (up to 16A per channel)
- Manual control is possible for each channel through the built-in button panel.
- 220V auxiliary power is not required.



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Technical Data

Protection Grade	IP 20	EN 60 529	
Safety Class	II	EN 61 140	
Power Supply	Voltage	21V... 30V DC, SELV	
	Current consumption	≤ 10 mA	
External Supply	N/A	N/A	
Connections	Screw terminals	0,5...3,31 mm ² solid and stranded wire	
		0,5...3,31 mm ² stranded wire with ferrule	
	Max tightening torque	0.5 Nm	
	KNX	Bus connect terminal	
Outputs	Number	11 output	
Triac	Non-floating	Yes	4 for Heating/Cooling Valve
	Rated Voltage	250 V AC; 50/60 Hz	
	Rated Current	0.5 A	
	Short-Circuit Protection	Yes	
Relay	Switching voltage	250 V AC; 50/60 Hz	1 Aux + 3 Fan Speed
	Switching current 250 V AC	16A / AC 1	
	Switching current 250 V AC, capacitive loads	16A (200µF)	
	Maximum switching power	4000 VA	
	Mechanical life	> 1 x 10 ⁶	
0-10 V	Current Limit	1.40mA	1 Fan Speed + 2 Valve
	Signal	0...10V DC	
	Source/Sink	Source	
Inputs	Number	6 Inputs	
Generic Input	Scanning Voltage (for binary input)	5 V pulsed	4 Input
	Current (for binary input)	1 mA	
	Cable length	< 300 m	
Temp. Input	Sensor Type	NTC	2 Input
Installation	35mm mounting rail	EN 60 715	
Operating Elements	LED (red) and prg. butto	→ For physical address	
	Manual Button	→ Switching to manual mode	
	Sel. Buttons	→ Fan speed and HVAC mode change	
	ON / OFF Buttons	→ Switching Valve ON / OFF	
	Switch Button	→ Auxiliary Output Control	



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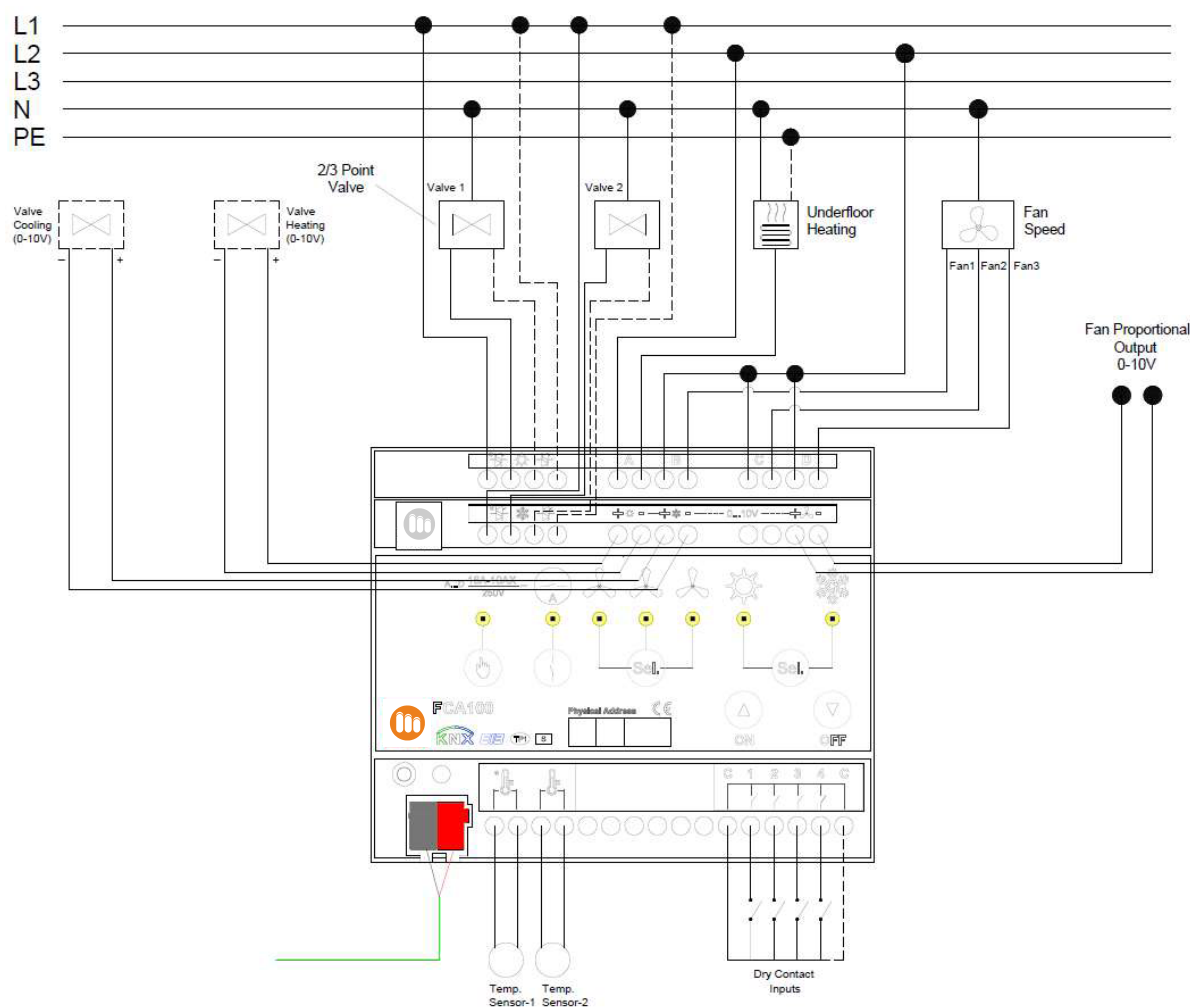


Technical Data

Temperature Range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
Humidity	max. air humidity	85% no moisture condensation
Dimensions		66 x W x 90mm
	Width W in mm	108 mm
	Width W in units (18 mm modules)	6 modules
Weight	0,395 kg	
Material	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	

Connections

Connections 1



MX KNX - FANCOIL ACTUATOR



Technical Drawings

