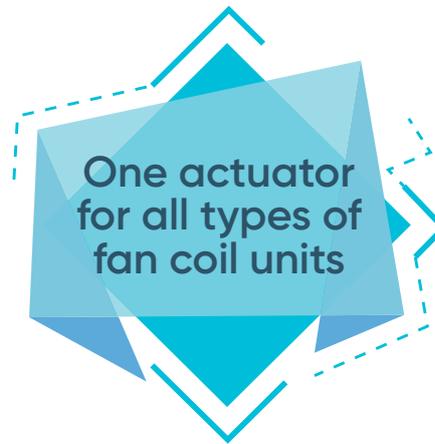


# FCA100

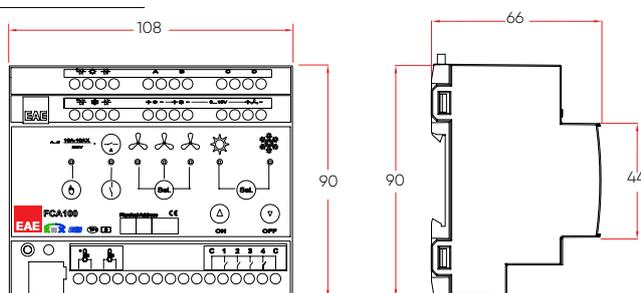
## EAE KNX-FANCOIL ACTUATOR



### General Specifications

- Fan Coil Actuator FCA100 is designed as all in one product for different way of Fan coil and Valve control together.
- Fan Coil Actuator FCA100 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
- FCA100 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
- 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)
- 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
- Manual control is possible for each channel through the built-in button panel.
- Device has 2 temperature input channels separately. Temperature Inputs can be used with following functions
  - Single • Weighted (Multi temp sensor)
- 220V auxiliary power is not required.

### Dimensions (mm)



**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529	
<b>Safety Class</b>	II	EN 61140	
<b>Power supply</b>	Voltage	21V... 30V DC, SELV	
	Current consumption	< 10 mA	
<b>External supply</b>	-	-	
<b>Connections</b>	Screw terminals	0,5...3,31 mm solid and stranded wire 0,5...3,31 mm stranded wire with ferrule	
	Max tightening torque	0.5 Nm	
	KNX	Bus connect terminal	
<b>Output</b>	Number	11 output	
	<i>Triac</i>	Non-floating Rated Voltage Rated Current Short-Circuit Protection	Yes, 4 for Heating/Cooling Valve 250 V AC; 50/60 Hz 0.5 A Yes
<i>Relay</i>	Switching voltage	250V AC; 50/60 Hz (1 Aux + 3 Fan Speed)	
	Switching capacity 250V AC	16A / AC 1	
	Switching current 250 V AC, capacitive loads	16A (200µF)	
	Maximum switching power	4000 VA	
	Mechanical life	> 1 x 10 <sup>6</sup>	
<i>0-10V</i>	Current Limit	1.40mA (1 Fan Speed + 2 Valve)	
	Signal	0...10V DC	
	Source/Sink	Source	
<b>Input</b>	Number	6 Inputs	
	<i>Generic Input</i>	Scanning Voltage (for binary input) Current (for binary input) Cable length	5 V pulsed (4 Input) 1 mA <300 m
<i>Temp. Input</i>	Sensor Type	NTC (2 Input)	
<b>Installation</b>	35mm mounting rail	EN 60715	
<b>Operating elements</b>	LED (red) and prg. button	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	
<b>Temperature range</b>	Ambient	-5° C + 45° C	
	Storage	-25° C + 55° C	
<b>Humidity</b>	max. air humidity	85 % no moisture condensation	
<b>Dimensions</b>	Width W in mm	66 x W x 90mm	
	Width W in units (18 mm modules)	108 mm	
<b>Weight</b>	0.395 kg	6 modules	
<b>Box</b>	Plastic, polycarbonate, colour grey		
<b>CE</b>	In accordance with the EMC guideline and low voltage		
<b>Application program</b>	Communication objects	Number of addresses(max)	Number of assignments(max)
	41	255	255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Fancoil Actuator	SMP FCA100 EAE F-KNX	48132	1 unit