

MDT Switch Actuator 3-fold, flush mounted

Version		
AKK-03UP.01	Switch Actuator 3-fold / Fancoil	Flush mounted, 230VAC, 10A

The MDT Switch Actuator AKK receives KNX/EIB telegrams and switches up to 3 independent electrical loads . Each output uses a monostable relay. The outputs are parameterized individually via ETS 4/5. The device provides extensive functions like logical operation, status response, block functions, central function, delay functions and staircase lighting function. Additionally the device provides several time and scene control.

If the mains voltage fails, all outputs were switched off. After mains voltage recovery the relay position will be restored. After bus voltage failure or recovery the relay position is selected in dependence on the parameterization.

Following functions are available in fancoil mode:

- Control of 3-speed fans/ventilator convectors
- Outputs are locked against each other
- Direct operation by three 1Bit objects or a single 1Bit object (+/-)
- Automatic operation by 1Byte control value (0-100%)
- Suitable for 2-pipe/4-pipe systems
- Output objects to control valves for heating/cooling
- Day/Night function to limit fan speed at night
- Automatic cooling operation during sommer nights
- Automativ humidity removal/drying function

The MDT Switch Actuator AKK Fancoil is available as flush mounted installation device for fixed installation in dry rooms.

For project design and commissioning of the MDT Switch Actuator AKK Fancoil it is recommended to use the ETS4/5. Please download the application software at www.mdt.de/downloads.html



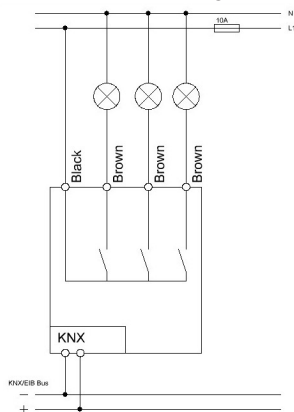
- Production in Germany, certified according to ISO 9001
- NO and NC contact operation
- Time functions (switch-on/switch-off delay)
- Staircase light function with adjustable warning time
- Status response (active/passive) for each channel
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and block functions
- Programmable behavior in case of bus voltage failure or return
- Control of 3-speed fans/ventilator convectors
- Outputs are locked against each other
- Direct operation by three 1Bit objects or a single 1Bit object (+/-)
- Automatic operation by 1Byte control value (0-100%)
- Suitable for 2-pipe/4-pipe systems
- Output objects to control valves for heating/cooling
- Day/Night function to limit fan speed at night
- Automatic cooling operation during sommer nights
- Automatic humidity removal/drying function
- Flush mounted in socket
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKK-03UP.01	
Number of outputs	3	
Output switching ratings		
Ohmic load	10A**	
Capacitive load	14uF at 10A	
Voltage	230VAC	
Maximum inrush current	30A/150µs 15/600µs	
Maximum load		
Incandescent lamps	1500W	
Halogen lamps 230V	1200W	
Halogen lamps, electronic transformer	500W	
Fluorescent lamps, not compensated	500W	
Fluorescent lamps, parallel comp.	120W	
Max. number of electronic transformers	2	
Output life expectancy (mechanical)	1.000.000	
Fuse protection	10A	
Permitted wire gauge		
KNX busconnection terminal	0,8mm Ø, solid core	
Power supply	KNX bus	
Power consumption KNX bus typ.*	<0,3W	
Operation temperature range	0 to + 45°C	
Enclosure	IP 20	
Dimensions (W x H x D)	41mm x 41mm x 24mm	

* Depends on the switching position of the output relays

** Maximum total current of all channels 16A

Exemplary circuit diagram AKK-03UP.01



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