

**MDT Switch Actuator 3-fold, flush mounted**

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

The MDT Switch Actuator AKK receives KNX telegrams and switches up to 3 independent electrical loads in operation mode as switching actuator. Each output uses a monostable relay and is individually adjustable via ETS. In operation mode as fan coil actuator a 3 step ventilators is controlled.

**Fan coil 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
- Emergency operation if actuating variable fails

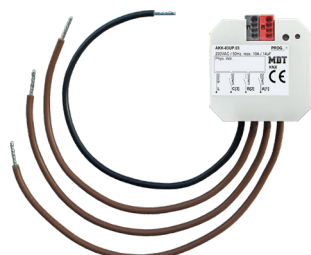
**Switch Actuator mode:**

- 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
- Adjustable behaviour in case of bus voltage return

The MDT Switch Actuator AKK Fancoil is a modular installation device for fixed installations in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT Switch Actuator AKK Fancoil it is recommended to use the ETS. Please download the application software at [www.mdt.de/downloads.html](http://www.mdt.de/downloads.html)

AKK-03UP.03



- Production in Germany, certified according to ISO 9001

**Fan coil mode:**

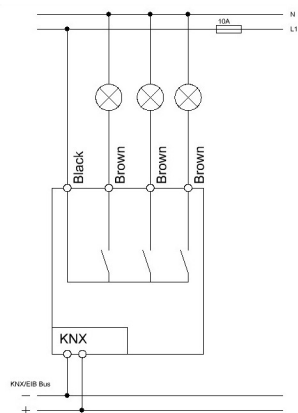
- Control of 3-speed fans/ventilator convectors
- Outputs are interlocked
- Direct operation by three 1Bit objects or a single 1Bit object (+/-)
- Automatic operation by 1Byte control value (0-100%)
- Suitable for 2-pipe/4-pipe systems
- Output objects to control valves for heating/cooling
- Day/Night function to limit fan speed at night
- Emergency operation if variable fails

**Switch Actuator mode:**

- 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
- Adjustable behaviour in case of bus voltage return
- Flush mounted in an installation box
- Quick application download (long frame support for ETS5)
- 3 years warranty

<b>Technical Data</b>	AKK-03UP.03	
<b>Number of outputs</b>	3	
<b>Output switching ratings</b>		
Ohmic load	10A	
Capacitive load	14uF at 10A	
Voltage	230VAC	
<b>Maximum inrush current</b>	150A/150µs 50/600µs	
<b>Maximum load</b>		
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	
<b>Output life expectancy (mechanical)</b>	1.000.000	
<b>Max. total current of the actuator</b>	16A	
<b>Fuse protection</b>	10A	
<b>Specification KNX interface</b>	TP-256 with long frame support for ETS5	
<b>Available application software</b>	ETS 4/5	
<b>Permitted wire gauge</b>		
KNX busconnection terminal	0,8mm Ø, solid core	
<b>Power supply</b>	KNX bus	
<b>Power consumption KNX bus typ.</b>	<0,3W	
<b>Operation temperature range</b>	0 to + 45°C	
<b>Enclosure</b>	IP 20	
<b>Dimensions (W x H x D)</b>	41mm x 41mm x 22mm	

Exemplary circuit diagram AKK-03UP.03



Exemplary circuit diagram AKK-03UP.03 Fancoil

