

MDT Switch Actuator 4-fold, MDRC

Version		
AKK-04FC.03	Switch Actuator 4-channel / Fancoil	2 SU MDRC, 230 V AC, 16 A

The MDT Switch Actuator AKK receives KNX telegrams and switches up to 4 independent electrical loads in operation mode as switching actuator. Each output uses a bistable relay and is individually adjustable via ETS. In operation mode as fan coil actuator 3 or 4 step ventilators are controlled. In 3 speed operation the fourth channel can be used as output for valve control.

Fan coil mode:

- Control of 3/4-speed fans/ventilator convectors
- Additional switching output at 3-speed operation
- Outputs interlocked against each other (software control)
- 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 failure or return

The MDT Switch Actuator AKK Fancoil is a modular installation device for fixed installations in dry rooms. It fits on DIN 35 mm 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

AKK-04FC.03



- Production in Germany, certified according to ISO 9001

Fan coil mode:

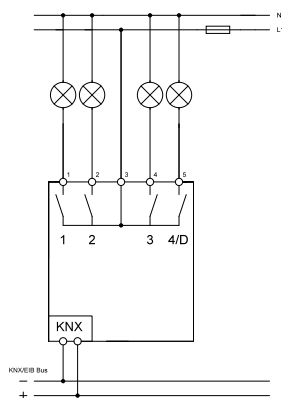
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- Central switching functions and block functions
- Adjustable behaviour in case of bus voltage failure or return
- Quick application download (long frame support for ETS5)
- 3 years warranty

Technical Data	AKK-04FC.03	
Number of outputs	4	
Output switching ratings		
Ohmic load	16 A	
Capacitive load	70 µF	
Voltage	230 V AC	
Maximum inrush current	300 A / 150 µs 150 / 600 µs	
Maximum load		
Incandescent lamps	2000 W	
Halogen lamp 230V	2000 W	
Halogen lamp, electronic transformer	1200 W	
Fluorescent lamp not compensated	1800 W	
Fluorescent lamp parallel compensated	800 W	
max. number of electronic transformers	10	
Output life expectancy (mechanical)	1,000,000	
Max. total current of the actuator	16 A	
Specification KNX interface	TP-256 with long frame support as of ETS 5	
Available application software	as of ETS 4	
Permitted wire gauge		
Screw terminal	2.5 mm ²	
KNX busconnection terminal	Ø 0,8 mm, solid core	
Power supply	KNX bus	
Power consumption KNX bus typ.	< 0.3 W	
Operation temperature range	0 ... 45 °C	
Enclosure	IP20	
Dimensions MDRC	2 SU	

Exemplary circuit diagram AKK-04FC.03 Switching Actuator



Exemplary circuit diagram AKK-04FC.03 Fan coil

