

## MDT Switch Actuator 1/2-fold, flush mounted

Version		
AKK-01UP.01	Switch Actuator 1-fold	Flush mounted, 230VAC, 16A
AKK-02UP.01	Switch Actuator 2-fold	Flush mounted, 230VAC, 10A

The MDT Switch Actuator AKK receives KNX/EIB telegrams and switches up to 2 independent electrical loads . Each output uses a monostable relay. The outputs are parameterized individually via ETS3f/4. 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.

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

For project design and commissioning of the MDT Switch Actuator AKK it is recommended to use the ETS3f/ETS4 or later. Please download the application software at [www.mdt.de/downloads.html](http://www.mdt.de/downloads.html)



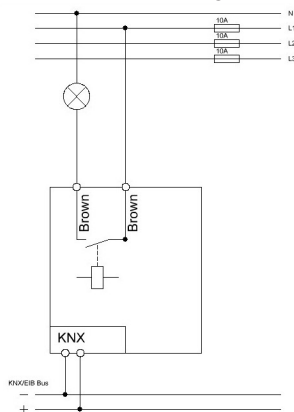
- Production in Germany, certified according to ISO 9001
- NO and NC contact operation
- Time functions (switch-on/switch-off delay)
- Staircase light function with adjustable warning time
- Status response (active/passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- Programmable behavior in case of bus voltage failure or return
- Flush mounted in socket
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKK-01UP.01	AKK-02UP.01	
Number of outputs	1	2	
Output switching ratings			
Ohmic load	16A	10A**	
Capacitive load	21uF at 10A	14uF at 10A	
Voltage	230VAC	230VAC	
Maximum inrush current	80A/150µs 40A/600µs	30A/150µs 15/600µs	
Maximum load			
Incandescent lamps	2300W	1500W	
Halogen lamps 230V	2000W	1200W	
Halogen lamps, electronic transformer	800W	500W	
Fluorescent lamps, not compensated	800W	500W	
Fluorescent lamps, parallel comp.	180W	120W	
Max. number of electronic transformers	3	2	
Output life expectancy (mechanical)	1.000.000	1.000.000	
Fuse protection	16A	10A	
Permitted wire gauge			
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	
Power supply	KNX bus	KNX bus	
Power consumption KNX bus typ.*	<0,3W	<0,3W	
Operation temperature range	0 to + 45°C	0 to + 45°C	
Enclosure	IP 20	IP 20	
Dimensions (W x H x D)	41mm x 41mm x 24mm	41mm x 41mm x 24mm	

\* depends on the switching position of the output relays

\*\* Till hardware 3.2 switching power 6A, from hardware 3.3 switching power 10A

Exemplary circuit diagram AKK-01UP.01



Exemplary circuit diagram AKK-02UP.01

