MDT KNX RF+ Switch Actuator 1/2-fold, Flush mounted

Version		
RF-AKK1UP.01	KNX RF+ Switch Actuator 1-fold	Flush mounted, 230VAC, 10A
RF-AKK2UP.01	KNX RF+ Switch Actuator 2-fach	Flush mounted, 230VAC, 10A

The MDT KNX RF+ Switch Actuator receives KNX/EIB telegrams and switchs up to 2 independent electrical loads. Each output uses a monostable relay. The outputs are parameterized individually via ETS. 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.
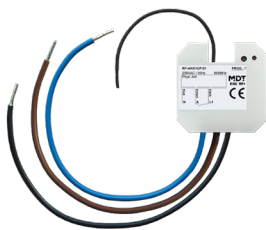
The MDT KNX RF+ Switch Actuator is operating in bidirectional KNX RF+ system mode and is perfectly suited for using in conventionel installations without placing KNX bus cables. The connections to the KNX+ bus is realized via the MDT KNX RF+ Line Coupler.

If the mains voltage fails, all outputs were switched off. After mains voltage recovery the relay position will be restored.

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

For project design and commissioning of the MDT KNX RF+ Switch Actuator it is recommended to use the ETS. Please download the application software at www.mdt.de/downloads.html
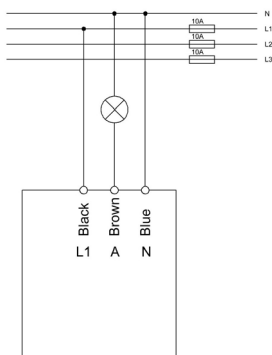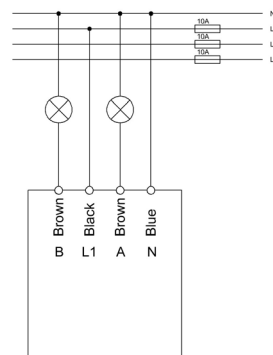
RF-AKK1UP.01   RF-AKK2UP.01

- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- NO and NC contact operation
- Time functions (switch-on/switch-off delay, staircase light function)
- Status response (active/passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- Adjustable behavior in case of bus voltage failure or return
- Flush mounted in a installation box
- Connection via MDT KNX RF+ Line Coupler
- **To upgrade your installation without placing KNX bus cables**
- Power supply 230VAC
- Dimensions (W x H x D): 41mm x 41mm x 22mm)
- 3 years warranty

Technical Data	RF-AKK1UP.01	RF-AKK2UP.01
Number of outputs	1	2
Transmitter frequency	868,3MHz (For operating inside the EU)	868,3MHz (For operating inside the EU)
Range	150m	150m
Output level	10dBm	10dBm
Sensitivity	>-105dBm	>-105dBm
Compatibility	KNX RF S-Mode (with ETS5 support)	KNX RF S-Mode (with ETS5 support)
Output switching ratings		
Ohmic load	10A	10A
Capacitive load	14uF	14uF
Voltage	230VAC	230VAC
Maximum inrush current	80A/150µs 40A/600µs	80A/150µs 40A/600µs
Maximum load		
Incandescent lamps	1900W	1900W
Halogen lamps 230V	800W	800W
Halogen lamps, electronic transformer	500W	500W
Fluorescent lamps, not compensated	500W	500W
Fluorescent lamps, parallel comp.	90W	90W
Max. number of electronic transformers	2	2
Output life expectancy (mechanical)	1.000.000	1.000.000
Fuse protection	10A	10A
Available application software	ETS 5	ETS 5
Power supply	230VAC/50Hz	230VAC/50Hz
Power consumption mains 230VAC 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

Examplary circuit diagram RF-AKK1UP.01

Examplary circuit diagram RF-AKK2UP.01

EU Declaration of Confirmity Switch Actuator RF+

CE

Hereby, MDT technologies GmbH declares that the radio equipment type radio RF-AKKxUP.01 is in compliance with directive 2014/53/EU. The full text of the EU declaration of confirmity is available at the following internet address: www.mdt.de/download/MDT_CE_RFAKK.pdf