KNX RF+ Shutter Actuator

MDT KNX RF+ Shutter Actuator 1-fold, Flush mounted

Version		
RF-JAL1UP.01	KNX RF+ Shutter Actuator 1-fold	Flush mounted, 230VAC, 10A

The MDT KNX RF+ Shutter Actuator receives KNX/EIB telegrams and controls 1 independent shutter or sunblind drives. The output uses two monostable relays. The output is parameterized individually via ETS. The device provides extensive functions like status response, block functions, central function and positioning shutters, blinds and other hangings. Additionally the device provides up to 8 scenes per channel.

The MDT KNX RF+ Shutter Actuator is operating in bidirectional KNX RF+ system mode and is perfectly suited for using in conventionel installations without placing KNX bus cables. The connection 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+ Shutter Actuator is available as flush mounted installation device for fixed installation in dry rooms.

For project design and commissioning of the MDT KNX RF Shutter Actuator it is recommended to use the ETS. Please download the application software at www.mdt.de/Downloads.html

RF-JAL1UP.01

- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- Operation mode blind/shutter adjustable
- Travel-, pause (at change of direction) and step time adjustable
- 1Bit automatic function and sun protection
- 8Bit positioning for shutter and blinds
- 8 scenes
- Alarm-, central and block functions
- Flush mounted in a installation box
- Connection via MDT KNX RF+ Line Coupler
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230VAC
- Dimensions (W x H x D): 41mm x 41mm x 22mm)
- 3 years warranty

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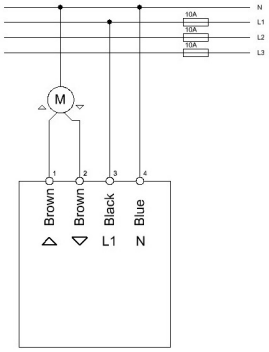
Stand: 0217

KNX RF+ Shutter Actuator

Technical Data	RF-JAL01UP.01	
Number of outputs	1	
Transmitter frequency	868,3MHz (For operating inside the EU)	
Range	150m	
Output level	10dBm	
Sensitivity	>-105dBm	
Compatibility	KNX RF S-Mode (with ETS5 support)	
Output switching ratings		
Ohmic load	10A	
Voltage	230VAC	
Maximum load		
Shutter motor*	300W	
Output life expectancy (mechanical)	1.000.000	
Fuse protection	10A	
Available application software	ETS 5	
Power supply	230VAC/50Hz	
Power consumption main 230VAC typ.	<0,3	
Operation temperature range	0 to + 45°C	
Enclosure	IP 20	
Dimensions (W x H x D)	41mm x 41mm x 22mm	

* no three-phase asynchronous motor

Examplary circuit diagram RF-JAL1UP.01



EU Declaration of Confirmity Shutter Actuator RF+

Hereby, MDT technologies GmbH declares that the radio equipment type radio RF-JAL1UP.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

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