

## 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.

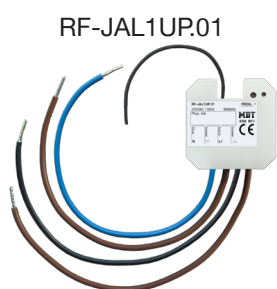
The MDT KNX RF+ Shutter Actuator is operating in bidirectional KNX RF+ system mode and is perfectly suited for using in conventional installations without placing KNX bus cables. The connections to the KNX bus is realized via the MDT KNX RF+ Line Coupler.

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

The MDT KNX RF+ 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](http://www.mdt.de/Downloads.html)

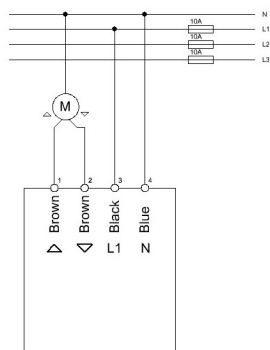


- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- Operation mode blind/shutter adjustable
- Travel-, pause-at-change-of-direction- and step time adjustable
- 1Bit automatic function and sun protection
- 8Bit positioning for shutter and blinds
- 8 scenes per channel
- Alarm-, central and block functions
- Adjustable behavior in case of bus voltage failure or return
- Flush mounted in socket
- 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

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

\* no three-phase asynchronous motor

## Exemplary circuit diagram RF-JAL1UP.01



## EU Declaration of Conformity 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 conformity is available at the following internet address: [www.mdt.de/download/MDT\\_CE\\_RFAKK.pdf](http://www.mdt.de/download/MDT_CE_RFAKK.pdf)