MDT KNX RF+ Universal Interface 2-fold, Flush mounted

Version		
RF-BE2230.01	KNX RF+ Universal Interface 2-fold	Flush mounted, for 230VAC signals

The MDT KNX RF+Universal Interface detects status changes at the inputes and triggers KNX telegrams depending on his parameterizations. You can connect conventional push-buttons or presence detectors to the device.

The MDT KNX RF+ Universal Interface includes four integrated logical modules to implement logical operations and logical control. These logical modules interpret all the inputs plus two external objects. So you can easily create KNX/EIB telegrams which are required in daily practice (e.g. fault telegrams or „all windows closed").

Each input is parameterized individually via ETS. The device provides extensive functions like switching of lighting, operation of blinds and shutters, counting of pulses, debounce time, contact typ and telegram rate limitation.
The command for rising and falling edge can be defined independently and with the block communication object each channel can be blocked or released. The logic module can release two telegrams after receiving a trigger signal from the inputs.

The MDT KNX RF+ Universal Interface 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.

The MDT KNX RF+ Universal Interface is a flush mounted device to be inserted in a wiring box or behind a push button or switch. It has to be installed in dry rooms.
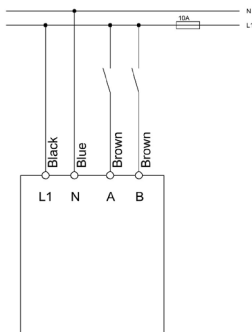
For project design and commissioning of the MDT KNX RF+ Universal Interface it is recommended to use the ETS. Please download the application software at www.mdt.de/Downloads.html

RF-BE2230.01

- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- **To connect 230V push-buttons, switches, presence detectors**
- **4 integrated logical modules**
- Telegram rate limitation
- NO or NC contact operation, adjustable length of button push
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Operation with short/long button push and 2 objects
- Counting of pulses
- Cyclical sending of contact state adjustable
- 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

Technical Data	RF-BE2230.01	
Number of inputs	2	
Contact voltage	230VAC	
Transmitter frequency	868,3MHz (For operating inside the EU)	
Range	150m	
Output level	10dBm	
Sensitivity	>-105dBm	
Compatibility	KNX RF S-Mode (with ETS5 support)	
Available application software	ETS 5	
Power supply	230VAC/50Hz	
Power consumption mains 230VAC typ.	< 0,3W	
Operation temperature range	0 to + 45°C	
Enclosure	IP 20	
Dimensions (W x H x D)	41mm x 41mm x 24mm	

Examplary circuit diagram RF-BE2230.01

EU Declaration of Confirmity Universal Interface RF+ CE

Hereby, MDT technologies GmbH declares that the radio equipment type radio RF-BE2230.01 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_RFBE230.pdf