KNX RF+ Socket

MDT KNX RF+ Socket

Version		
RF-AKK1ST.01	KNX RF+ Socket	230VAC, 16A
RF-AZK1ST.01	KNX RF+ Socket with active power measurement	230VAC, 16A

The MDT KNX RF+ Socket receives KNX/EIB telegrams and switches one electrical load. The Socket uses a monostable relay and can be 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+ Socket offers exactly current measurement. In dependence on the parameterization the measured data can be transmit in different data formats (mA/A/kW) onto the KNX bus. The integrated counter allows to capture the active power consumption exactly.

The MDT KNX RF+ Socket 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 must be installed in dry rooms.

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

RF-AKK1ST.01

RF-AZK1ST.01

- Production in Germany, certified according to ISO 9001
- **Commissioning with ETS 5**
- **New KNX RF+ protocol in system mode**
- 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
- Connection via MDT KNX RF+ Line Coupler
- Compatible to the new KNX RF+ specification
- 3 years warranty

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Stand: 0521

KNX RF+ Socket

Technical Data	RF-AKK1ST.01	RF-AZK1ST.01
Current measurement range	--	10mA - 20A
Measuring inaccuracy	--	2%
Sampling rate	--	2000 samples/500ms
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	16A	16A
Capacitive load	21uF	21uF
Voltage	230VAC	230VAC
Maximum inrush current	80A/150µs 40A/600µs	80A/150µs 40A/600µs
Maximum load		
Incandescent lamps	2300W	2300W
Halogen lamps 230V	2000W	2000W
Halogen lamps, electronic transformer	800W	800W
Fluorescent lamps, not compensated	800W	800W
Fluorescent lamps, parallel comp.	180W	180W
Max. number of electronic transformers	3	3
Output life expectancy (mechanical)	1.000.000	1.000.000
Permitted wire gauge		
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core
Power supply	230VAC/50Hz	230VAC/50Hz
Power consumption mains 230VAC typ.	< 0,3	< 0,3W
Operation temperature range	0 to + 45°C	0 to + 45°C
Enclosure	IP 20	IP 20

EU Declaration of Confirmity Socket RF+

Hereby, MDT technologies GmbH declares that the radio equipment type radio RF-AxK1ST.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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