

## MDT KNX RF+ Glass Push Button 2/4/6/8-fold Plus with Actuator, flush mounted

Version		
RF-GTA4W.01	KNX RF+ Glass Push Button 4-fold Plus	Flush mounted with Actuator, White, Surrounding orientation light
RF-GTA4S.01	KNX RF+ Glass Push Button 4-fold Plus	Flush mounted with Actuator, Black, Surrounding orientation light
RF-GTA8W.01	KNX RF+ Glass Push Button 8-fold Plus	Flush mounted with Actuator, White, Surrounding orientation light
RF-GTA8S.01	KNX RF+ Glass Push Button 8-fold Plus	Flush mounted with Actuator, Black, Surrounding orientation light

The MDT KNX RF+ Glass Push Buttons release KNX telegrams after touching the sensor areas top, 1 or 2 Button operation can be parameterized. The device provides extensive functions like switching of lighting, operation of blinds and shutters, contact type and block communication objects for each channel. The Glass Push Button has 4 integrated logic modules. The sending of a second object is possible by the logical modules.

Furthermore the MDT Glass Push Button has an integrated cleaning function and an additional switching channel that operates if 3 or more of the sensor area were touched (e.g. panic function).

**The MDT KNX RF+ Glass Push Button is operating in bidirectional KNX RF+ system mode and is perfectly suited to replace conventional push buttons in existing installations without placing KNX bus cables. The connections to the KNX bus is realized via the MDT KNX RF+ Line Coupler. The integrated actuator can be set as 2-fold switching actuator or 1-fold shutter actuator (RF-GTA8x.01 4-fold/2-fold).**

For individually marking of the MDT KNX RF+ Glass Push Button you can insert a labeling film behind the glass front. The labeling film for laser printers is included in delivery. You find the marking draft in our download area.

**The MDT KNX RF+ Glass Push Buttons have a surrounding orientation light LED and a bicolored (White/Red) LED for sensor area.** These LED can be set from internal or external objects, the brightness of the LED is adjustable in 5 steps (Day and night can be set independent). The LED can display 3 situations like: LED off 0 „absent“, LED white „present“, LED red „window open“.

The MDT KNX RF+ Glass Push Button is a flush mounted device (RF-GTA4x.01: 1 outlet socket, RF-GTA8x.01: 2 outlet sockets with centre-to-centre gauge 71mm) for fixed installations in dry rooms, it is delivered with support ring.

For project design and commissioning of the MDT KNX RF+ Glass Push Button it is recommended to use the ETS. Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

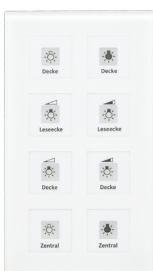
RF-GTA4W.01



RF-GTA4S.01



RF-GTA8W.01



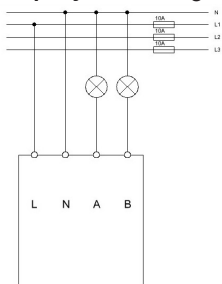
RF-GTA8S.01



- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- Sensor areas can be adjusted for 1 or 2 button operation
- NO or NC contact operation, adjustable length of button push
- Forced setting function for each output
- Operation with short/long button push and 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Can be set as 2-fold switching actuator or 1-fold shutter actuator
- Connection via MDT KNX RF+ line coupler
- **Surrounding orientation light with day/night object**
- **Title block to insert behind glass front, labeling film included**
- **To upgrade your installation without placing KNX bus cables**
- Power supply 230VAC
- Installation with support ring (included in delivery)
- 3 years warranty

Technical Data	RF-GTA4W.01 RF-GTA4S.01	RF-GTA8W.01 RF-GTA8S.01
Number of sensor areas	4	8
Number of bicolored LED	4	8
Orientation LED	1	1
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)
Number of outputs	2	4
Output switching ratings per channel		
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	1.000.000	1.000.000
Permitted wire gauge		
Screw terminal	1,5mm <sup>2***</sup>	1,5mm <sup>2***</sup>
Available application software	ETS 5	ETS 5
Power supply	230VAC/50Hz	230VAC/Hz
Power consumption 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)	92mm x 92mm x 40mm	92mm x 163mm x 40mm
Required outlet sockets for installation	1	2**

Exemplary circuit diagram RF-GTA4x.01



\* Depends on the switching position of the output relays.

\*\* The center-to-center gauge of the outlet sockets has to be 71mm.  
Bus connection terminal is in lower socket.

\*\*\* Insulation of the inserted cable must be removed 8mm.

## EU Declaration of Conformity Socket RF+



Hereby, MDT technologies GmbH declares that the radio equipment type radio RF-GTxxx.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\\_RFGTA.pdf](http://www.mdt.de/download/MDT_CE_RFGTA.pdf)