KNX RF+ Glass Push Button Plus

MDT
TECHNOLOGIES

KNX®

Product data sheet

Version		
RF-GTT4W.01	KNX RF+ Glass Push Button Plus 4-fold	Flush mounted with Actuator, White, orientation light
RF-GTT4S.01	KNX RF+ Glass Push Button Plus 4-fold	Flush mounted with Actuator, Black, orientation light
RF-GTT8W.01	KNX RF+ Glass Push Button Plus 8-fold	Flush mounted with Actuator, White, orientation light
RF-GTT8S.01	KNX RF+ Glass Push Button Plus 8-fold	Flush mounted with Actuator, Black, orientation light

The KNX RF+ Wireless Glass Push Button Plus is a KNX push button with sensor surfaces, temperature sensor and red/white status LEDs. The sensor surfaces can be configured as single buttons or horizontally in pairs. In addition to switching, dimming, blinds or sending values, numerous functions such as scenes are available for selection. The button has 4 integrated logic blocks and a switch actuator for connecting a blind/roller shutter or two switching channels.

For individually marking of the MDT KNX RF+ Glass Push Button you can insert a labeling film behind the glas 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 Button is a flush mounted device (RF-GTT4x.01: 1 outlet socket, RF-GTT8x.01: 2 outlet sockets with centre-to-centre gauge 71 mm) 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
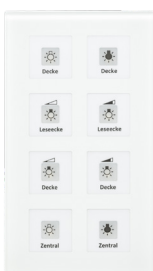
RF-GTT4W.01
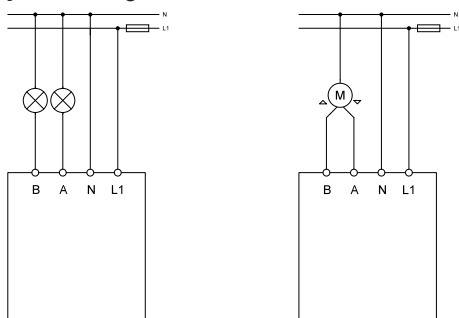
RF-GTT4S.01

RF-GTT8W.01

RF-GTT8S.01

- Production in Germany, certified according to ISO 9001
- **New KNX RF+ protocol in system mode**
- Commissioning with ETS 5
- Sensor areas can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push button adjustable
- 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**
- **Labeling foil to be inserted behind the glass front**
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Installation with included support ring, delivery with labeling foil
- 3 years warranty

Technical Data	RF-GTT4W.01 RF-GTT4S.01	RF-GTT8W.01 RF-GTT8S.01
Number of sensor areas	4	8
Number of bicolored LED	4	8
Orientation LED	Circumferential	Circumferential
Transmitter frequency	868,3 MHz (For operating inside the EU)	868,3 MHz (For operating inside the EU)
Range	150 m	150 m
Output level	10 dBm	10 dBm
Sensitivity	>-105 dBm	>-105 dBm
Compatibility	KNX RF S-Mode (with ETS 5 support)	KNX RF S-Mode (with ETS 5 support)
Number of outputs	2	4
Output switching ratings per channel		
Ohmic load	10 A	10 A
Capacitive load	14 µF	14 µF
Voltage	230 V AC	230 V AC
Maximum inrush current	80 A / 150 µs 40 A / 600 µs	80 A / 150 µs 40 A / 600 µs
Maximum load		
Incandescent lamps	1900 W	1900 W
Halogen lamps 230V	800 W	800 W
Halogen lamps, electronic transformer	500 W	500 W
Fluorescent lamps, not compensated	500 W	500 W
Fluorescent lamps, parallel comp.	90 W	90 W
Max. number of electronic transformers	2	2
Output life expectancy	1.000.000	1.000.000
Permitted wire gauge		
Screw terminal	1,5 mm²***	1,5 mm²***
Available application software	ETS 5	ETS 5
Power supply	230 V AC / 50 Hz	230 V AC / 50 Hz
Power consumption typ.	< 0,3 W	< 0,3 W*
Operation temperature range	0 ... 45 °C	0 ... 45 °C
Enclosure	IP20	IP20
Dimensions (W x H)	92 x 92 x 40 mm	92 x 163 x 40mm
Required installation boxes	1	2**

Examplary circuit diagram RF-GTTxx.01

* Depends on the switching position of the output relays.
** The center-to-center gauge of the outlet sockets has to be 71 mm.
 Bus connection terminal is in lower socket.
*** Insulation of the inserted cable must be removed 8 mm.

EU Declaration of Confirmity Socket RF+

CE

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 confirmity is available at the following internet address: www.mdt.de/download/MDT_CE_RFGTA.pdf