

RF-TAL55T102.01S

KNX RF+ Push Button Lite 55 1 gang, Secure, RGBW, TS, Pure White glossy finish, neutral



Product description:

The MDT Push-button Lite 55 is a neutral KNX RF+ push-button with temperature sensor and customisable RGBW status LEDs, suitable for 55 mm switch ranges from various manufacturers. The vertically arranged buttons can be set as a button pair (two-surfaces) or as individual buttons. In addition to switching, dimming, blinds, scenes or sending values, there are numerous functions to choose from. The Push-button has 4 integrated logic blocks and a switch actuator for connecting a blind/roller shutter or two switching channels.

Product functions:

- **KNX RF+ Protocol in System Mode**
- **KNX Data Secure**
- Suitable for 55 mm switch ranges
- The buttons can be configured as pairs or as singular buttons
- **For modernisation without installation of KNX Bus cable**
- As a replacement for regular two circuit switches
- Operation as 2 channel switch actuator or 1 channel shutter actuator
- Singular and double Push-button operation for switching, dimming, shutters, values
- **Two RGBW status LEDs per Push-button pair**
- **Innovative group control with long/extra long button press**
- **Multitouch-function, sends up to 4 values on the same or different objects**
- Toggle up to four values or scenes
- Short/Long button press with 2 objects
- **LED brightness controllable via a day/night- or brightness object**
- Connection through MDT KNX RF+ Line Coupler
- Power supply 230 V AC
- 3 year warranty

Technical data:

Device	Device type	RF+ Push-button
	Article Number	RF-TAL55T102.01S
	EAN / GTIN	4251916114145
	Colour	Pure White, glossy finish
	Dimensions (H x W x D)	55 x 55 x 26 mm
	Weight, gross (incl. packaging)	0.126 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Included carrying ring	Carrying ring A
	Installation position	any
	Transmission frequency	868.0 ... 868.6 MHz * ¹
	Range in the free field	150 m
	Output level	10 dBm
	Sensitivity	> -105 dBm
	Compatibility (mode)	KNX RF S-Mode
	Weight, net	0.104 kg
Performance data	Nominal voltage U_n	230 V AC * ²
	Nominal current I_n (per output)	10 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Capacitive load	14 μ F / 10 A
	Supply voltage U	230 V AC, 50 Hz
	Power dissipation of the device, typical	≤ 2 W
	Power consumption	< 0,3 W
Operation	Number of buttons	1 Push-button pair / 2 Push-buttons
	Symbol	Neutral
	Number of LEDs	2 x RGBW (status)
Inputs	Measuring range for temperature	0 ... 40 °C
Outputs	Number of outputs	2
Lamp data	Incandescent lamp load	1900 W
	HV-Halogen lamps	800 W
	NV-Halogen lamps	500 W
	Fluorescent lamp uncompensated	500 W
	Fluorescent lamp parallel compensation	90 W
	Max. number of ECG	2

Technical data:

Currents	Inrush current (150 µs)	80 A
	Inrush current (600 µs)	40 A
KNX	KNX Medium	KNX RF 1.R
	KNX Application	as of ETS 5 (latest)
	KNX Secure	KNX Data Secure
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
Connections	Connection type	Spring-loaded terminal, 1.5 mm ²
	Stripping length	8 mm

*1 The use of the 868 MHz frequency band is subject to national regulations. Before commissioning, ensure that the applicable legal requirements of the respective country are reviewed and complied with.

*2 Mixed operation of nominal and safety extra low voltage (SELV) within the actuator is not permitted!

Dimensional drawing:

