

### MDT Push Button Smart 86, 4/6/8/12-fold

Version		
BE-TAS86.02	Push Button Smart 86	White glossy finish, installation in socket
BE-TAS86T.02	Push Button Smart 86	White glossy finish, integrated Temperature Sensor, installation in socket

The MDT Push-button Smart sends KNX telegrams dependent on the application settings after touching the Push-button. The Push-button can be programmed for 1 or 2 Button operation. The device provides extensive functions like switching, operation of blinds and shutters, switching/sending values and block communication objects for each channel. The Push Button Smart 86 has 4 integrated logical modules. The sending of a second object is possible via the logical modules.

Furthermore, the Push Button Smart 86 has an integrated cleaning function and extended functions which can be operated dependent on the application settings if 3 or more of the Push-buttons are simultaneously touched (e.g. slap function).

The Push Button Smart 86 has a large, coloured active display to indicate function and status. For each Push button symbols and plain text are settable. Up to 12 functions on 2 or 3 levels (2x6 or 3x4 functions) can be programmed. The Push Button Smart 86 can be also used as 6-fold push button without function levels. The Push Button Smart 86 has a RGB status indicator for each button. These can be activated from internal or external objects.

#### **Additional functions Push-button Smart 86 with temperature sensor:**

**The Push-button Smart 86 with temperature sensor offers additional functions to set temperature and operation mode of the heating. In combination with the MDT Heating Actuator an efficient room temperature regulation can be configured and visualised. Furthermore user defined 1 Bit messages and 14 Byte text telegrams can be displayed.**

The Push Button Smart 86 is a flush mounted device for fixed installations in dry rooms.

For project design and commissioning of the MDT KNX Push Button Smart 86 it is recommended to use the ETS. Please download the application software at [www.mdt.de/downloads.html](http://www.mdt.de/downloads.html)

BE-TAS86.02



BE-TAS86T.02



#### **New functions series 02:**

- Innovative group control with long/extra long operation / keystroke
- New mapping function for simple function assignment
- Extended info display with up to 3 lines and up to 6 measured values
- New icons
- Slap function with new range of functions

#### **General functions:**

- Production in Germany, certified according to ISO 9001
- Large, colour active display to indicate function and status
- Adjustable background colour of the display (white or black)
- Symbols and plain text adjustable for each button/function
- 6 mechanical buttons with finger recess
- Up to 12 functions on 2 or 3 levels (2x6 or 3x4 functions)
- Up to 6 functions without level switching
- The buttons can be programmed for 1 or 2 button operation
- 1 or 2 button operation for switching, dimming, shutters, values
- Short/long button push with 2 objects
- RGB status for each button separate controlable from each level
- Indication of inside/outside temperature and time
- Automatic display brightness via light sensor and day/night object
- Dimensions (W x H): 86 mm x 86 mm
- No additional power supply required
- 3 years warranty

<b>Technical Data</b>	BE-TAS86.02	BE-TAS86T.02		
<b>Number of buttons</b>	6	6		
<b>Measurement range temperature</b>	--	0 to + 40 °C		
<b>Recommended mounting height</b>	1,10 - 1,25 m (as Push Button) 1,50 - 1,60 m* (as operating device)			
<b>Specification KNX interface</b>	TP-256	TP-256		
<b>Available application software</b>	ETS 5/6	ETS 5/6		
<b>Permitted wire gauge</b>				
KNX busconnection terminal	0,8 mm Ø, solid core	0,8 mm Ø, solid core		
<b>Power supply</b>	KNX bus	KNX bus		
<b>Power consumption KNX bus typ.**</b>	< 0,6 W	< 0,6 W		
<b>Operation temperature range</b>	0 to + 45 °C	0 to + 45 °C		
<b>Enclosure</b>	IP 20	IP 20		
<b>Dimensions (W x H x D)</b>	86 mm x 86 mm x 29,2 mm	86 mm x 86 mm x 29,2 mm		
<b>Required installation boxes</b>	1	1		

\* If the push button is used with adjustment for given value the recommended mounting height is 1,6 m for better clearness of the display.

\*\* Device has to be calculated with two bus loads. No additional power supply required.

**Exemplary circuit diagram BE-TAS86.02 and BE-TAS86T.02**

