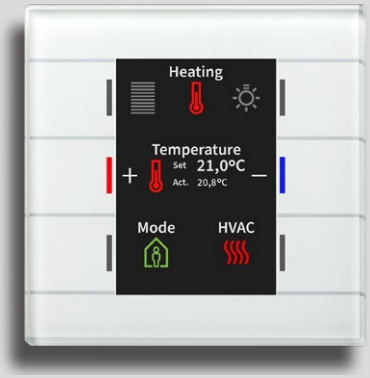
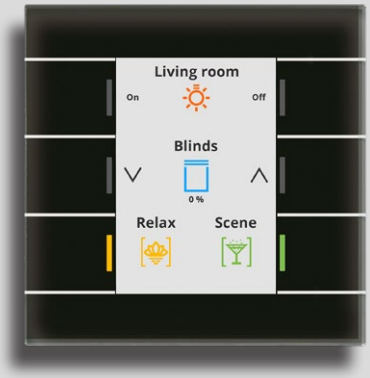
Design & Function

A perfect glass assortment





Glass Push Button II Smart

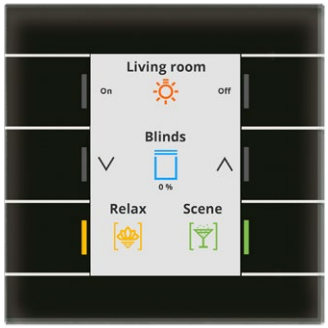
KNX®

MDT TECHNOLOGIES

Glass Push Button II Smart

Glass Push Button II Smart

The Glass Push Button II Smart combines functionality & design. It enables quick and easy operation of various functions such as lighting, scene, blinds and colour control. Additionally equipped with a temperature sensor, comfortable temperature adjustment is possible. The large active colour display is used for function and status indication and is freely configurable. A variety of symbols and colour variants are available to the user. There are almost no limits to the individual design of the glass push button.



FUNCTIONS

Large, active colour display
for function and status indication

Background colour of the display adjustable
(white or black)

Up to 12 functions distributed over 2 or 3 levels
(2 x 6 or 3 x 4 functions)

Symbols and free texts adjustable
for each key/function

The keys are freely adjustable
as a pair of keys or as individual keys

Single and two-button operation
for switching, dimming, blinds, values

RGB status of each sensor surface individually
controllable per level

Slap function with additional switching channel

Display of indoor/outdoor temperature,
time and user-defined messages

TECHNICAL DATA

BE-GT20W.02 | White **BE-GT20S.02** | Black
Six sensor areas
4/6/8/12-fold push button
Recommended mounting height 1.10 – 1.25 m (as push button)
Dimensions (W x H) 92 mm x 92 mm
Three years product warranty

BE-GT2TW.02 | White **BE-GT2TS.02** | Black
with temperature sensor
Six sensor areas
4/6/8/12-fold push button
Recommended mounting height 1.50 – 1.60 m (as control unit)
Dimensions (W x H) 92 mm x 92 mm
Three years product warranty

Glass Push Button II Lite

Glass Push Button II Lite

The Glass Push Button II Lite takes over the important operating functions in the room. The extensive application enables functions such as switch/dim lighting, blinds, value and scene control and the slap function. The new Multi-tip function and the innovative group control extend the convenient range of functions. The keys are freely adjustable as a key pair or individual keys. The Glass Push Button II Lite is available as single and double push button in the colours white and black. Different variants are available, neutral without labeling, labelled versions with I/O symbol or up/down symbol, as well as variants with integrated temperature sensor. RGBW LEDs are available as status indicators. The separate white LED ensures a clear white in the status display.

The Glass Push Button II Lite (mounting height 1.1 m) can be excellently combined with the Glass Push Button II Smart as control unit or the Glass Central Operation Unit Smart, each with a mounting height of 1.6 m.

FUNCTIONS

Extensive application

Innovative group control,
with long/extra long keystroke

Multi-tip function,
transmits up to 4 values/DPTs

The keys are freely adjustable
as a pair of keys or as individual keys

Single and two-button operation
for switching, dimming, blinds, values

Short/long keystroke and 2 objects

Slap function with additional
switching channel

Status LEDs in RGBW version
(separate white LED)

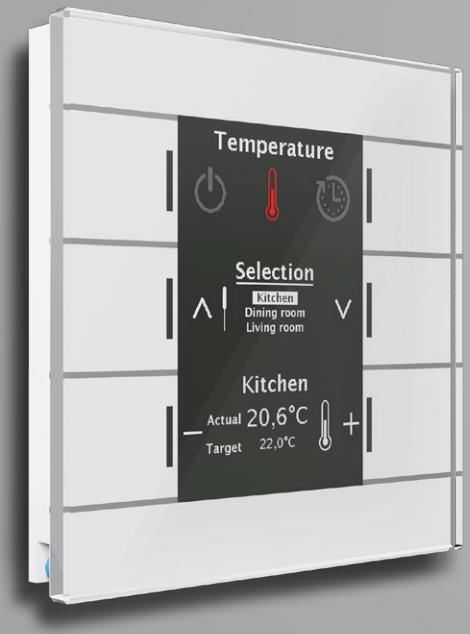
LED brightness over day/night
or brightness object controllable

Integrated bus coupling unit

TECHNICAL DATA

Glass Push Button II Lite 1-fold, RGBW	White	Black
NEUTRAL	**BE-GTL10W.01**	**BE-GTL10S.01**
NEUTRAL with temperature sensor	**BE-GTL1TW.01**	**BE-GTL1TS.01**
UP/DOWN Symbol	**BE-GTL10W.A1**	**BE-GTL10S.A1**
I/O symbol with temperature sensor	**BE-GTL1TW.B1**	**BE-GTL1TS.B1**
Recommended mounting height 1.10 m		
Dimensions (W x H) 92 mm x 92 mm		
Three years product warranty		

Glass Push Button II Lite 2-fold, RGBW	White	Black
NEUTRAL	**BE-GTL20W.01**	**BE-GTL20S.01**
NEUTRAL with temperature sensor	**BE-GTL2TW.01**	**BE-GTL2TS.01**
UP/DOWN Symbol	**BE-GTL20W.A1**	**BE-GTL20S.A1**
I/O symbol with temperature sensor	**BE-GTL2TW.B1**	**BE-GTL2TS.B1**
UP/DOWN and I/O symbol with temperature sensor	**BE-GTL2TW.C1**	**BE-GTL2TS.C1**
I/O and UP/DOWN symbol with temperature sensor	**BE-GTL2TW.D1**	**BE-GTL2TS.D1**
Recommended mounting height 1.10 m		
Dimensions (W x H) 92 mm x 92 mm		
Three years product warranty		



Glass Central Operation Unit Smart

Glass Central Operation Unit Smart

The Glass Central Operation Unit Smart combines a multitude of functions in one device and serves as a central control unit for your Smart Home. The integrated astronomical time switch automatically raises and lowers the blinds in the morning and after sunset. In addition, at sunset the basic lighting in the house is switched on until midnight and the outdoor lighting is activated. All timer functions and switching times are individually adjustable.

Using the menu control, you can, for example, set the comfort temperature for all rooms individually or activate automatic shading. You can also lock your blinds for window cleaning or activate your KNX alarm system via the integrated code lock. The Glass Central Operation Unit Smart is the ideal complement to the Glass Push Button II Smart or Glass Push Button II lite.

GERMAN INNOVATION AWARD '19 SPECIAL

The Glass Central Operation Unit Smart was awarded with the German Innovation Award 2019 in the category „Excellence in Business to Business – Building & Elements“ as „Special Mention“ in May 2019.

FUNCTIONS

Large, active colour display
for function and status indication

Background colour of the display adjustable
(white or black)

Four direct control functions
(e. g. Present, light, blind)

Twenty Operating functions
via menu/switch timer
(e. g. dimmer/shutter/switching/sending values)

Code lock with 4 – 6 digits
for device locking or alarm activation

Daily/weekly/astro timer
(20 channels with 6 switching times each)

Holiday function with period activation

Automatic calculation of public holidays

Comfortable room thermostat
with temperature sensor

Ventilation control (manual or automatic)

Display of indoor/outdoor temperature,
setpoint and time/date

TECHNICAL DATA

BE-GBZW.01 | White
BE-GBZS.01 | Black

Six sensor areas

Room temperature controller
with temperature sensor

Four direct functions

Twenty operating functions
via menu/switch timer

Recommended mounting height
1.50 – 1.60 m (as control unit)

Dimensions (W x H) 92 mm x 92 mm

Three years product warranty

Glass Push Button Plus 4-/8-fold

Glass Push Button Plus 4-/8-fold

The Glass Push Button Plus is available in 4-/8-fold versions in white and black. It can be individually configured with functions such as switch/dim lighting, blinds, value and scene control. The sensor areas can be parameterised as a pair of keys (two-areas) or as individual keys. Each sensor area has a two-colour LED (white/red). A circumferential orientation light gives the Glass Push Button Plus a special accent and ensures that it is also easy to find at night. The orientation light is adjustable in 5 brightness levels, day and night independently of each other.

The Glass Push Button Plus has a panic function, which represents an additional switching function. The built-in cleaning function ensures that the function of the sensor area surfaces is switched off when the glass surface is cleaned. It is individually marked with a special laser foil. A labeling template with many symbols and free text is available for this purpose. If your wishes change over time, the glass buttons are parameterised differently and the labelling foil is simply replaced. The glass buttons are optionally available with an integrated room temperature sensor.

FUNCTIONS

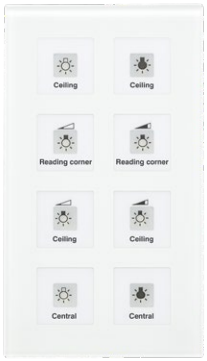
The keys are freely adjustable as a pair of keys or as individual keys

Transmission of values, priority control and switching commands adjustable

Push button operation with short/long push button action and 2 objects

White/red LED per sensor area

LED brightness adjustable in 5 steps via day/night object



TECHNICAL DATA

	White	Black
Glass Push Button Plus 4-fold	**BE-GT04W.01**	**BE-GT04S.01**
Glass Push Button Plus 4-fold with temperature sensor	**BE-GTT4W.01**	**BE-GTT4S.01**
Four sensor areas		
Circumferential LED orientation light		
Recommended mounting height 1.10 m		
Dimensions (W x H) 92 mm x 92 mm		
Three years product warranty		

	White	Black
Glass Push Button Plus 8-fold	**BE-GT08W.01**	**BE-GT08S.01**
Glass Push Button Plus 8-fold with temperature sensor	**BE-GTT8W.01**	**BE-GTT8S.01**
Eight sensor areas		
Circumferential LED orientation light		
Recommended mounting height 1.10 m		
Dimensions (W x H) 92 mm x 163 mm		
Three years product warranty		

Glass LED Indicator

You would like to know whether a door or a window of the house is still open? Or whether your washing machine is still running in the basement?

The MDT Glass LED Indicator shows it to you at a glance without much reading. There are 12 independent LEDs in red, green, blue or white; flashing or permanently lit. States such as OPEN/CLOSE, ON/OFF and fault can be immediately recognised. The brightness of the LEDs is adjustable in 2 steps. The Glass LED Indicator can be individually labelled with a label template and is available in white and black.

FUNCTIONS

Twelve independent switchable RGB LEDs

Three objects per LED

Five states per LED adjustable

Eight logic blocks with 8 inputs each

Two brightness levels

Day/night object

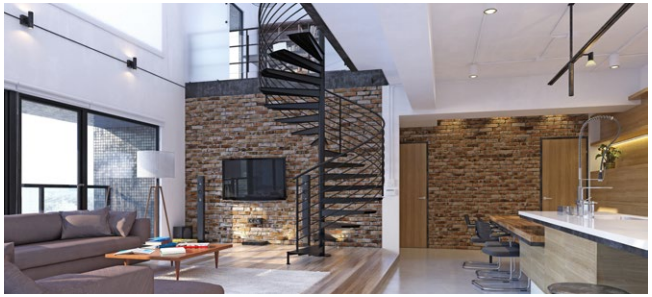
Switch-off/reduction of brightnessfailure

Monitoring of the objects with signalling object

Marking foil for insertion under the glass surface

TECHNICAL DATA

SCN-GLED1W.01 | White **SCN-GLED1S.01** | Black	
Twelve RGB LEDs	
Recommended mounting height 1.50 – 1.60 m	
Dimensions (W x H) 92 mm x 92 mm	
Three years product warranty	



Glass Room Temperature Controller

The Glass Room Temperature Controller ensures cosiness in the room with the correct comfort temperature. On the active colour display, for example, the setpoint and actual temperature and the current states can be shown. If the automatic control is not suitable for the user, he can adjust the desired temperature via the four sensor surfaces on the controller or also make specifications for ventilation. The automatic setpoint adjustment can also be guided not only by the lux value of the weather station, but alternatively by the outside temperature or an external 0-100% value. The KNX system then regulates heating and ventilation to the desired values.

FUNCTIONS

Room temperature controller
with temperature sensor (-10 to +50 °C)

Display of set and actual temperature

Active colour display to indicate function and status

Ventilation functions
(manual or automatic)

Simple setpoint adjustment via separate + / - buttons

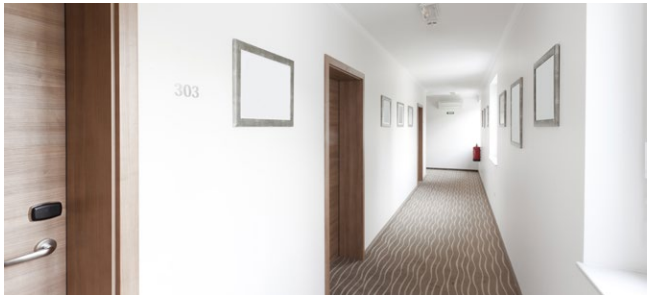
Limit values min/max, frost alarm,
min/max value memory

Setpoint values are stored on bus voltage failure

Selectable temperature controller (PI, two-position, PWM)

TECHNICAL DATA

SCN-RTRGW.02 | White **SCN-RTRGS.02** | Black
Active colour display
Room temperature controller with temperature sensor
Two direct functions
Recommended mounting height 1.50 – 1.60 m
Dimensions (W x H) 92 mm x 92 mm
Three years product warranty



Glass Presence Detector 360°

More comfort, more safety and more energy efficiency. With these features the Glass Presence Detector 360° presents itself and compliments the existing glass programme of MDT. With its 3 sensors, it not only automatically controls the light, but also heating/air conditioning/ventilation and room monitoring. An integrated temperature sensor additionally supplies the room temperature. An extensive application enables many practical functions. The 360° glass presence detector with intelligent constant light control is also available as an extension to the range.

FUNCTIONS

Glass front in white,
integrated temperature sensor

Adjustable standby and presence
sensitivity for day, night and alarm

Short-term presence to reduce
the follow-up time

Blocking and override function
with release time

Extensive day/night function
with 2nd switch object

Orientation light
(brightness and time adjustable)

Input for external pushbutton
with release time

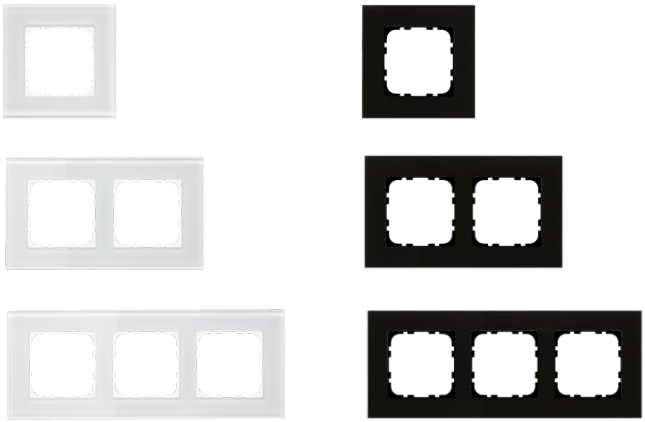
TECHNICAL DATA

SCN-G360D3.02 | White	**SCN-G360K3.02** | White
	Intelligent constant light control
Three sensors	Three sensors
Range 11 m Ø, Presence 5 m Ø	Range 11 m Ø, Presence 5 m Ø
With temperature sensor	With temperature sensor
Three light channels, individually evaluable	Three light channels, individually evaluable
One HVAC and 1 alarm/message channel	One HVAC and 1 alarm/message channel
Recommended mounting height 2.50 – 4.00 m	Recommended mounting height 2.50 – 4.00 m
Dimensions (W x H) 92 mm x 92 mm	Dimensions (W x H) 92 mm x 92 mm
Three years product warranty	Three years product warranty

Glass cover frame for 55 mm switch ranges

A fully equiped room includes sockets, a telephone connection, a network connection and much more. MDT offers white and black glass cover frames matching 55 mm switch ranges from GIRA, JUNG, SCHNEIDER ELECTRIC or BERKER. Thereby ensuring that sockets and all other connections become an eye-catcher.

The MDT switch range 55 mm in plastic, in the colours pure white matt, pure white glossy and black matt, can be excellently combined with the glass cover frames.



OVERVIEW

Suitable 55 mm switch ranges

GIRA
Standard 55, E2, E22, Event, Esprit

JUNG
A 500, A PLUS, A CREATION,
AS 500, A 550, A FLOW

SCHNEIDER ELECTRIC
Merten 1M, Merten M-Smart,
Merten M-Plan, Merten M-Pure

BERKER
Berker S1, Berker B3, Berker B7

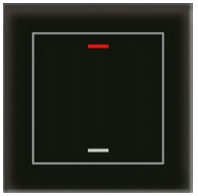
MDT
Assortment 55 mm

TECHNICAL DATA

BE-GTR1W.01 | White **BE-GTR1S.01** | Black	
Glass cover frame 1-fold	
Dimensions (W x H) 92 mm x 92 mm	
BE-GTR2W.01 | White **BE-GTR2S.01** | Black	
Glass cover frame 2-fold	
Dimensions (W x H) 92 mm x 163 mm	
BE-GTR3W.01 | White **BE-GTR3S.01** | Black	
Glass cover frame 3-fold	
Dimensions (W x H) 92 mm x 234 mm	

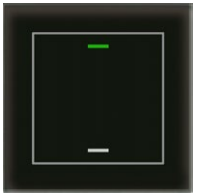
Variant overview
Glass Push Button II Lite 1-fold

BE-GTL10W.01



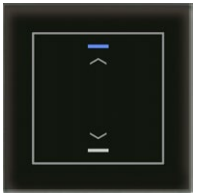
BE-GTL10S.01

BE-GTL1TW.01
with temperature sensor



BE-GTL1TS.01
with temperature sensor

BE-GTL10W.A1



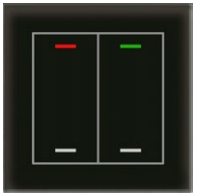
BE-GTL10S.A1

BE-GTL1TW.B1
with temperature sensor

BE-GTL1TS.B1
with temperature sensor

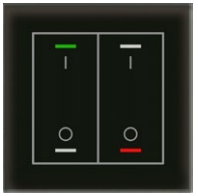
Variant overview
Glass Push Button II Lite 2-/4-fold

BE-GTL20W.01



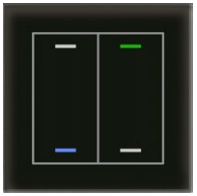
BE-GTL20S.01

BE-GTL2TW.B1
with temperature sensor



BE-GTL2TS.B1
with temperature sensor

BE-GTL2TW.01
with temperature sensor

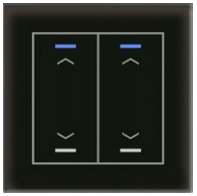


BE-GTL2TS.01
with temperature sensor

BE-GTL2TW.C1
with temperature sensor

BE-GTL2TS.C1
with temperature sensor

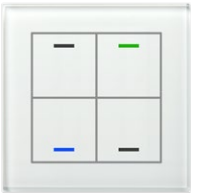
BE-GTL20W.A1



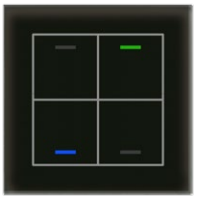
BE-GTL20S.A1

BE-GTL2TW.D1
with temperature sensor

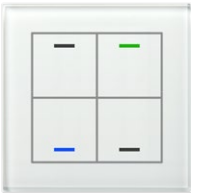
BE-GTL2TS.D1
with temperature sensor



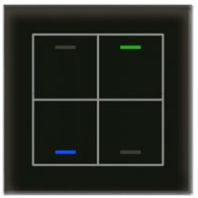
BE-GTL40W.01



BE-GTL40S.01

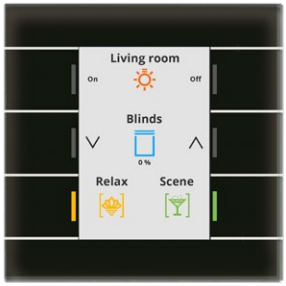


BE-GTL4TW.01
with temperature sensor

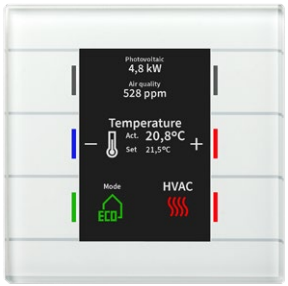


BE-GTL4TS.01
with temperature sensor

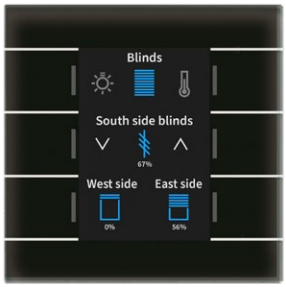
Functional overview
Glass Push Button II Smart



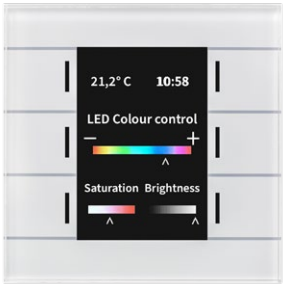
Level 1
e. g. light



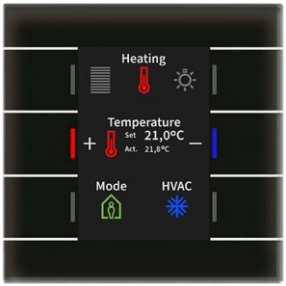
Status displays/
text messages



Level 2
e. g. blinds



Four keys
with info display



Level 3
e. g. HVAC

Six keys/
2 x 6 keys

Functional overview
Glass Central Operation Unit Smart

Four direct functions

Heating/ventilation

Menu control light

Time switch

Code lock

Holiday function

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MDT
TECHNOLOGIES

MDT technologies GmbH
Papiermühle 1 · 51766 Engelskirchen
Phone +49 22 63 88 - 0 · Fax +49 22 63 45 88
knx@mdt.de · www.mdt.de

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