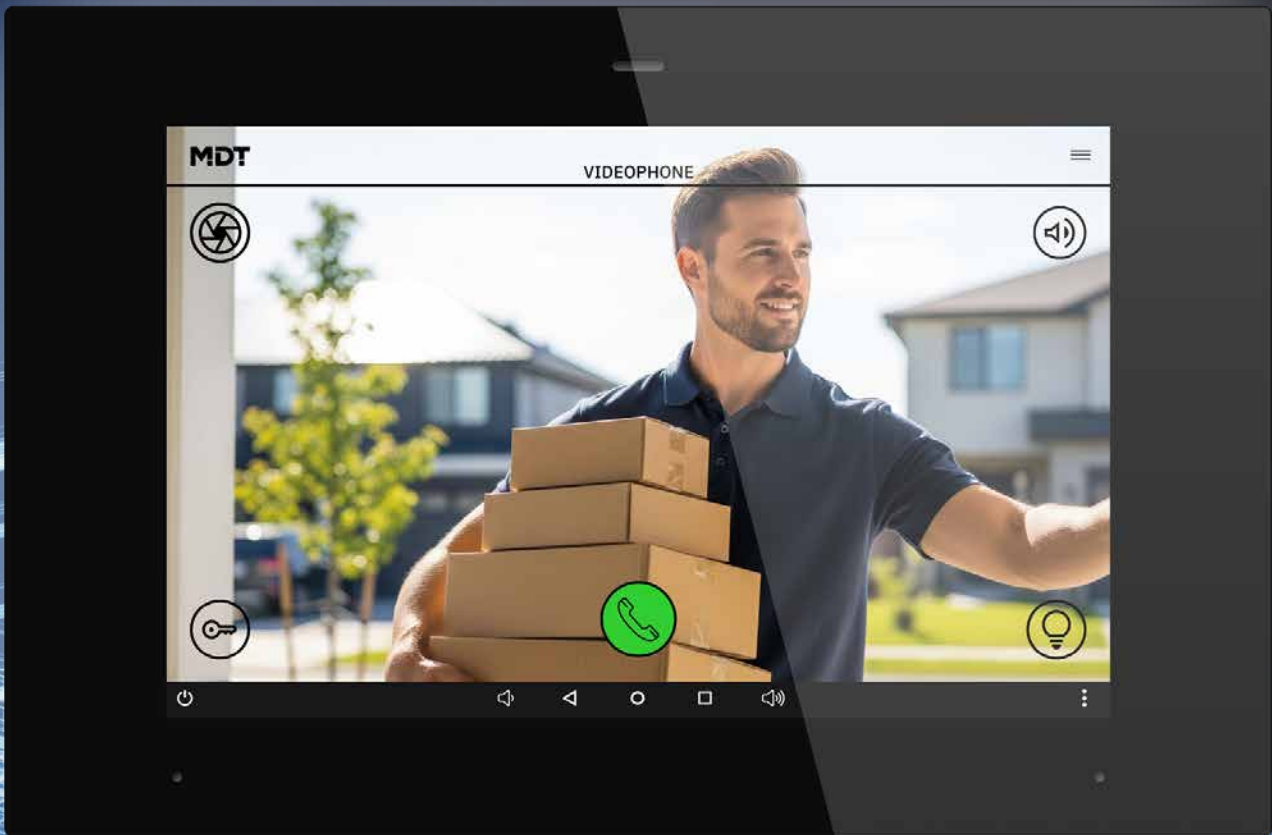


Innovations



MDT product families

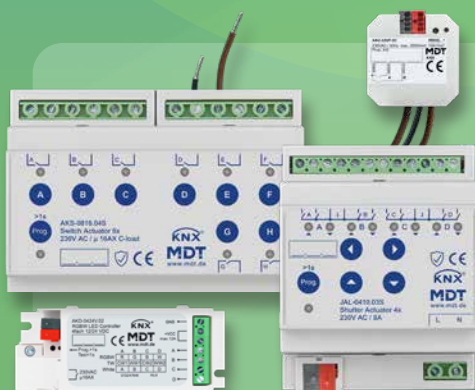
Quick overview of the product range



System Devices

Coresio

System components, e.g. power supply



Actuators

Acturio

Actuators, In- / Outputs, Energy Meters



KNX RF+

Varisio

Components for the KNX RF wireless system



Sensors

Aurelio

Touch displays
and visualisation



Sensors

Lucilio

Stand alone push buttons with
functional glass finish



Sensors

Elevio

Standard range for
installation in switch frames



Sensors

Motivio

Stand-alone Presence- /
Motion Detectors



Sensors

Sensario

Controllers, sensors, and
binary inputs

Aurelio – VisuControl Plus



Highlights

- ▶ High-resolution capacitive glass touch display (1280 x 800 pixels)
- ▶ Visualisation and operation of lighting, shading, room temperature, status, scenes, multimedia, weather data and more
- ▶ Up to 500 elements can be visualised
- ▶ Includes SIP door communication function and integration of IP cameras



Your powerful visualisation

The VisuControl Plus touch panel with high-resolution 8-inch glass display enables intuitive visualisation and control of building functions such as lighting, shading, climate and scenes. With integrated SIP function, IP camera connection, logic functions and remote access, it offers comprehensive smart building functionality.



- **High-resolution capacitive glass touch display (1280 x 800 pixels)**
- Visualisation and operation of lighting, shading, room temperature, status, scenes, multimedia, weather data and more
- Up to 500 elements can be visualised
- **With speaker and microphone for SIP door communication functions (Requires VoIP server)**
- **Daily-/weekly-/astro switch function** (125 channels each with 10 switching times)
- Notifications for alarms, warnings and information (via text and sound)
- Integration of IP cameras
- Remote access via MDT VisuControlPlus app (Android / iOS / Windows)
- Digital I/O for doorbell button and signalling
- Digital I/O for doorbell button and signalling
- User management with PIN codes for up to 10 users
- Bookmark page for frequently used functions
- Automatic central commands per room (lighting / shading / multimedia)
- Cloud connection, backup and restore via USB
- Cleaning function for display maintenance
- Logic functions, scenes and presence simulation
- **KNX Data Secure**, integrated Bus coupler
- With mounting adapter for standard installation box – horizontal or vertical
- Dimensions (H x W x D): 153 x 233 x 16 mm
- 3 year warranty

Article Number



**KNX Touch Panel VisuControl Plus,
8-inch Display**

VC-08P82.01S

Aurelio - Glass Touch Smart 6



Highlights

- ▶ Installation: horizontally or vertically
- ▶ High-resolution 6-inch display
- ▶ Customisable design
- ▶ Up to 64 functions
- ▶ Includes room temperature controllers and temperature sensor
- ▶ KNX Data Secure









As individual as you are

- Multifunctional push-button with capacitive, high-resolution 6-inch TFT-colour display (1440 x 720 Pixel)
- Intuitive user interface for straightforward control of room functions
- Circumferential orientation light
- Up to 64 functions on independent levels and 12 statuses in standby
- Room functions: switching, dimming, tunable white, HSV, RGB, RGBW, sun shading, HVAC
- Comfortable room temperature controller with temperature sensor for heating and cooling operation
- KNX Data Secure, integrated Bus coupler
- Logic functions, scene control, innovative group control
- Display of status information / notification (1 Bit / 14 Byte)
- Customisable design (logo, background image, design colours)
- With anti-theft / anti-dismantling protection
- Installation in a standard switch box (EU, UK, CH, CN)
- Requires a 24 V DC auxiliary power supply (e.g. STV-0024.01)
- Dimensions (H x W x D): 92 mm x 160 mm

Additional functions Glass Touch Smart Plus

- Integrated loudspeaker for acoustical feedback (button press, signalling of alerts)
- Circumferential RGBW-background illumination to signal individual operational status, alarms and orientation light
- Security against unauthorised access through code lock function (4 users)
- 2 binary inputs, 1 input for PT1000 sensor
- With 12 time switches

Article Number		
	KNX Glass Touch Smart 6-inch, KNX Data Secure, Black	BE-GTS06TS.01S
	KNX Glass Touch Smart 6-inch, KNX Data Secure, White	BE-GTS06TW.01S
	KNX Glass Touch Smart Plus 6-inch, KNX Data Secure, Black	BE-GTSP6TS.01S
	KNX Glass Touch Smart Plus 6-inch, KNX Data Secure, White	BE-GTSP6TW.01S

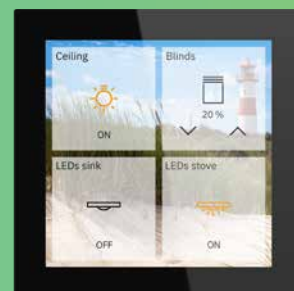
Coming Next

Sneak preview of our development:

The Glass Touch Smart will soon be available in additional sizes!



Glass Touch Smart 2



Glass Touch Smart Plus 4



Motivio – Presence Detector



Micro Presence Detector 360°, 1 sensor, Secure

- **Range: Ø 7 m**
- **With temperature sensor to measure room temperature**
- With brightness sensor
- 1 HVAC- and 1 Alarm-/ message object
- **Short-term presence to reduce the follow up time**
- Input for external Push-button with release time
- **Intelligent toggle function for automatic and manual operation**
- Blocking- and forced operation with release time
- Extensive day/night function with a second switching object
- Flush installation, drilling diameter: 18 mm
- Installation dept: 70 mm
- **KNX Data Secure**, integrated Bus coupler





	Colour	Article Number
	White	PSE-PMC01.01S
	Black	PSE-PMC06.01S



Micro Motion Detector, Secure

- **Detection angle H 150° / V 35°, range 5 m**
- **With temperature sensor to measure room temperature**
- With brightness sensor
- 1 HVAC- and 1 Alarm-/ message object
- **Short-term presence to reduce the follow up time**
- Suitable for master/slave operation
- External Push-button input for automatic and manual operation
- Blocking- and forced operation with release time
- Recommended installation height: 0.3 ... 1.20 m
- **KNX Data Secure**, integrated Bus coupler



Colour	Article Number
 White	PSE-BWML01.01S
 Black	PSE-BWML06.01S

Motion Detector 2.2 m TS 55, Secure

- **KNX Data Secure**, integrated Bus coupler
- Suitable for 55 mm switch ranges
- **Motion detector with 2 sensors and brightness sensor**
- **Temperature sensor to measure the room temperature**
- **Activation sensitivity for day, night, and presence individually selectable**
- Range 11m
- 2 Light channels, 1 HVC- and Alarm channel
- **Short-term presence to reduce the follow up time**
- Master/slave function, scenes and logic functions
- **Day/Night function**
- Blocking- and forced operation with release time
- External Push-button input for automatic and manual operation
- Recommended installation height: 2.20 m
- Installation in an installation box using the included installation frame



Colour	Article Number
 Pure White, matt finish	PSE-B552T01.02S
 Pure White, glossy finish	PSE-B552T02.02S
 Black, matt finish	PSE-B552T06.02S

Surface Mounting Frame

Colour	Article Number
 Pure White, matt finish	PSE-B552R01.01
 Pure White, glossy finish	PSE-B552R02.01
 Black, matt finish	PSE-B552R06.01

Varisio – KNX RF+ Wireless Devices



DeepSleep mode

Up to 10 years of battery life thanks to smart technology

New installation locations or places that cannot be reached with 230V, such as window handles, are powered by batteries. This means that KNX RF+ devices can be placed anywhere in the room without interfering with the electrical installation. The innovative, energy-efficient DeepSleep technology in MDT RF+ devices ensures that battery-powered products only transmit signals when changes are entered. This allows these products to achieve very long battery life of up to 10 years.



RF+ Window Handle, Secure

- KNX RF+ Protocol in System Mode
- KNX Data Secure
- **Up to 8 years of battery life through automatic DeepSleep**
- Registers the handle positions: closed, tilted and open
- KNX Data Secure
- Alarm function with message in the event of strong vibrations of the frame or window pane
- With battery tray, including 2 x AA batteries
- Dimensions without handle (H x W x D): 145 x 36 x 27 mm
- Square spindle: 7 mm, length variable: 32 ... 43 mm

Article Number

RF+ Window Handle, Secure



White

RF-FGWS.01S

RF+ Window Handle, Secure



Stainless steel

RF-FGES.01S



RF+ Radiator Thermostat, Secure

- **KNX RF+ Protocol in System Mode**
- KNX Data Secure
- Valve Connection M30 x 1.5 mm
- With information display for temperature setpoint, battery level and connection status (not RF-HVA1ILB.01S)
- Operation with internal or external temperature controller possible
- Lockable buttons (not RF-HVA1ILB.01S)
- Quiet drive – suitable for bedrooms
- **Long battery life through automatic DeepSleep**
- Includes adapter for Danfoss RA, RAV and RAVL
- Dimensions (H x W x D): 86 x 60 x 55 mm

Artikelnummer

RF+ Radiator Thermostat, Secure



Display,
Alkaline-Manganese
Battery (LR6)

RF-HVA1DAA.01S

RF+ Radiator Thermostat, Secure



Display,
Lithium metal battery

RF-HVA1DLB.01S

RF+ Radiator Thermostat, Secure



Lithium metal battery

RF-HVA1ILB.01S



Varisio – KNX RF+ Wireless Devices

RF+ Window Contact, Secure

For registering the status of windows and patio or balcony doors

- KNX RF+ Protocol in System Mode
- KNX Data Secure
- Integrated temperature sensor
- To activate comfort functions (e.g. ventilation function, automatic shading)
- With battery tray, including battery
- Notification in case of critical battery level



Colour

Article Number

RF+ Window Contact, Secure



Pure White, matt finish **Coming soon**

RF-FKWS.01S

RF+ Line coupler, flush mounted, Secure

- KNX RF+ Line coupler to connect MDT KNX RF+ devices, e.g.
- MDT Push-button RF+ or MDT Glass Push-button RF+
- KNX RF+ Protocol in System Mode
- KNX Data Secure
- With KNX Secure Proxy function
- Segment coupler-functionality (as of ETS 6)
- Commissioning as of ETS 5
- Compatible to the new KNX RF+ radio specification
- Filter function to reduce the Bus load
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm
- Integrated Bus coupler



Article Number

RF+ Line coupler, flush mounted, Secure

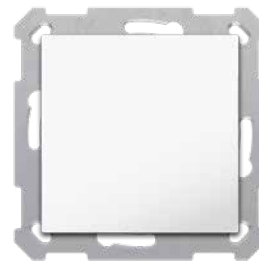


Coming soon

RF-LK001.03S

RF+ Push Button Light 55 Basic, Secure

- **KNX RF+ Protocol in System Mode**
- **KNX Data Secure**
- Integrated temperature sensor
- 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
- **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
- Connection through MDT KNX RF+ Line Coupler
- Power supply 230 V AC



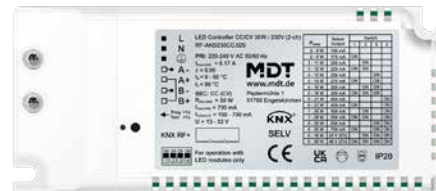
	Anzahl Tasten	Colour	Article Number
	1 Tastenpaar / 2 Tastenflächen	Reinweiß, glänzend	RF-TAL55B102.01S
	2 Tastenpaare / 4 Tastenflächen	Reinweiß, glänzend	RF-TAL55B202.01S
	1 Tastenpaar / 2 Tastenflächen	Schwarz, matt	RF-TAL55B106.01S
	2 Tastenpaare / 4 Tastenflächen	Schwarz, matt	RF-TAL55B206.01S

Suitable for 55 mm switch ranges e.g. MDT assortment 55, GIRA Standard 55, E2, Event, Esprit, BERKER S1, B3, B7, JUNG A 500, A PLUS, A CREATION, AS 500, A 550, A FLOW or MERTEN 1M, M-Smart, M-Plan, M-Pure



RF+ LED Controller CC/CV, Secure

- KNX RF+ Protocol in System Mode
- KNX Data Secure
- Optimised Hybrid dimming for improved light quality
- Dimming range from 0,2 % ... 100 %, Minimum current 0,7 mA
- Maximum output power: 30 W / 60 W over both channels
- Output max. current 700 mA / 1.400 mA
- Constant current selectable via DIP switch
- Constant voltage operation with 24 V or 48 V
- Selectable dimming curve, individual sequences
- Operation modes: 2 x white or 1 x Tunable White
- Automatic colour temperature control Dim2Warm
- Dynamic daylight control HCL (Human Centric Lighting)
- Automatic time dependent dimming
- Over current- and temperature monitoring
- Dimensions (H x W x D): 54 x 129 x 25 mm



Article Number

RF+ LED Controller CC/CV



30 W, 230 V,
2-channel,
Secure

RF-AKD230CC.02S

RF+ LED Controller CC/CV

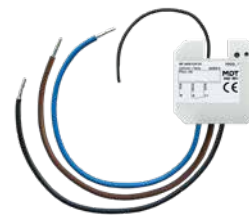


60 W, 230 V,
2-channel,
Secure

RF-AKD260CC.02S

KNX RF+ Switch Actuator, flush mounted, Secure

- KNX RF+ Protocol in System Mode
- KNX Data Secure
- Commissioning as of ETS 5
- For modernisation without installation of KNX Bus cable
- Normally open and normally closed
- Time functions (switch on-/switch off delay, staircase light function)
- Status feedback for all channels (active/passive)
- Logical functions
- 8 scenes per channel
- Central functions and blocking objects for forced operation
- Connection through MDT KNX RF+ Line Coupler
- Power supply 230 V AC
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm



Article Number

KNX RF+ Switch Actuator, flush mounted, Secure



1-channel

Coming soon

RF-AKK1UP.01S

KNX RF+ Switch Actuator, flush mounted, Secure



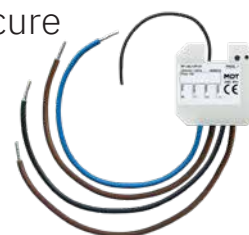
2-channel

Coming soon

RF-AKK2UP.01S

RF+ Shutter Actuator, 1-gang, flush mounted, Secure

- KNX RF+ Protocol in System Mode
- KNX Data Secure
- Commissioning as of ETS 5
- Operation mode for shutter/blinds
- Travel-, pause- and step time selectable
- 1 Bit Automatic control and sun shading function
- 8 Bit object to position height and slats
- 8 scenes per channel
- Alarm-, central- and locking function
- Connection through MDT KNX RF+ Line Coupler
- For modernisation without installation of KNX Bus cable
- Power supply 230 V AC
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm



Article Number

RF+ Shutter Actuator, 1-gang, flush mounted, Secure



1-channel

Coming soon

RF-JAL1UP-01S

Varisio – MDT homeXpert



Switch the light



Control shading



Control room temperature



Dim the lights



wireless

without ETS

expandable

vendor independent



Retrofitting has never been smarter.

With the MDT homeXpert®, you can easily transform your customer's old building into an energy-efficient smart home thanks to wireless radio connectivity. The 7 x 7 cm server is the new centrepiece for an entry-level KNX RF+ system. Project settings can be configured using the MDT homeXpert tools without any ETS knowledge. Offer your customers a smart home now – it has never been easier!

Reasons for your customers

- **Simply wireless:** MDT homeXpert® brings modern smart home technology to every home. Thanks to the established KNX RF wireless standard, it is the ideal solution for renovators and tenants.
- **Simply more efficient:** homeXpert intelligently optimises lighting, heating and shading. With the right presets, your customer can reduce energy costs and improve their quality of life – without expensive investments.
- **Simply professional:** The homeXpert relies on the established KNX standard – the world's leading market standard for new buildings – now finally also available for renovations.
- **Simply fit for the future:** homeXpert grows with your needs and can be flexibly expanded or adapted at any time – without the need for time-consuming re-planning of the existing infrastructure.
- **Simply flexible:** homeXpert can be taken with you whenever you move – so your new home can be smart too.

Easily expandable at any time!

- Our MDT RF+ range is constantly growing, with new products being added regularly: You can find a complete overview at www.mdt-homeXpert.com
- MDT stands for KNX as an open standard, which means that KNX RF products from other manufacturers can also be integrated via homeXpert. On the “Works with homeXpert” page, you will find an overview of integratable products from other manufacturers.
- Your customer is moving into their own home and wants to combine their homeXpert project with wired KNX components? No problem! The homeXpert project can be uploaded to the ETS at any time – without reprogramming, but with added functionality.



homeXpert on YouTube

On the MDT YouTube channel, you will find helpful videos to assist you with the setup.



More information: www.mdt-homeXpert.com



MDT offers all components for a complete KNX Secure project

Advantages of Secure

- ▶ Protection against interference and unauthorised access
- ▶ Confidentiality through encryption
- ▶ Compatibility & interoperability with non-secure devices

Over 200 MDT KNX Secure products are already available. Naturally, all new MDT products will be equipped with KNX Secure from the moment they go on sale.

In the coming months, MDT will be adding Secure to many more existing MDT products and equipping many of these products with additional functions. You will find all the relevant information on our website as soon as the products go on sale.

Tense

Elegant real material surfaces combined with sophisticated MDT KNX technology – that's Tense. Discover the high-end push buttons for yourself now: new technology, new surfaces, new products. Designed in Belgium, handmade in Germany.



You can find the latest Tense products here:



MDT technologies GmbH
Papiermühle 1
51766 Engelskirchen
Germany
www.mdt-group.com

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