

DETRONS
SMART AUTOMATION SOLUTIONS

INTELLIGENT, RELIABLE, FUTURE-READY
PRODUCT CATALOGUE
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INTELLIGENT, RELIABLE, FUTURE-READY

Product Catalogue

Smart Automation Solutions

DETRONS

2025
www.detrans.com

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Product Catalogue

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DETRONS is a global brand specializing in KNX-certified smart automation systems, built on European technology and standards. Rooted in KNX Belgium technology.

ABOUT

Detrons

Since 2008, Detrons has been at the forefront of smart automation technology—engineering intelligent systems that power modern living spaces across the globe. From the earliest days, our focus has been clear: to design and manufacture world-class automation solutions that combine innovation, reliability, and elegance.

A Global Vision, Built from the Ground Up

Detrons began not as an integrator, but as a developer and manufacturer—building control interfaces, smart panels, and system modules long before smart homes became mainstream. Over the years, we’ve delivered automation solutions for projects in the UAE, Malaysia, Morocco, Saudi Arabia, Qatar, Switzerland, and beyond, gaining insight into diverse regional requirements and technical standards.

From Prototypes to Proven Products

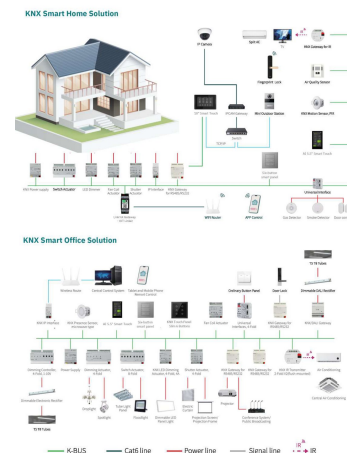
We spent our early years in deep R&D—perfecting scene control logic, refining touch interface design, and ensuring seamless integration with KNX and other global protocols. Our products evolved through real-world testing in homes, schools, offices, and hotels, resulting in today’s robust and mature lineup.

Recognized Across Continents

Today, Detrons is trusted by professionals across the Middle East, Asia, Africa, and Europe. Our flagship Titan Series smart panels and system components are known for their quality, compatibility, and refined aesthetics—used by consultants, integrators, and developers who value performance and design.

More Than Automation: A Commitment to Excellence

We continue to invest in KNX training, smart infrastructure R&D, and global distribution—expanding access to reliable automation technologies wherever they’re needed. Whether you’re planning a luxury villa in Dubai, a school in Cairo, or a high-rise in Kuala Lumpur, Detrons delivers the intelligence behind the walls.



SOLUTIONS

Overview



Residential Solutions
Transform your home with intuitive KNX automation, enhancing comfort, security, and energy efficiency with seamless control over lighting, climate, and smart devices.
Lighting ControlSecurity SystemsEnergy ManagementVoice and App ControlClimate ControlEntertainment Systems



Hotel Solutions
Deliver a next-level guest experience with personalized room automation, centralized energy management, and smart controls that optimize comfort and efficiency.
Room Control SystemsAccess ManagementEnergy ManagementGuest Experience FeaturesStaff EfficiencyLobby and Public Spaces



Commercial & Office Automation
Enhance workplace efficiency with smart lighting, climate automation, and energy optimization, creating intelligent and connected office environments.
Lighting AutomationClimate ControlAccess ControlConference Room AutomationSecurity MonitoringEnergy Optimization

DETRONS

Milestone

2008	Foundation of Detrons – Focused on R&D, control modules, and smart hardware design.
2010	First successful prototypes tested for lighting and HVAC automation.
2012	Early international deployments in Malaysia and UAE residential projects.
2014	Integration with global protocols (KNX, Modbus); private villa projects in Morocco and Qatar.
2016	Commercial projects across UAE, Saudi Arabia, and educational buildings.
2018	Expansion of interface design—first touch panel series and custom scenes.
2020	Internal shift to scalable production and preparation for full product line rollout.
2022	Launch of Titan Series smart panels; expanded team and factory alignment.
2023	Projects completed in Switzerland, Germany, and Guinea; first KNX training kits designed.
2024	KNX Training Center initiated; virtual offices in Belgium and Abu Dhabi established.
2025	Full manufacturing model live under DETRONS brand; expanding in GCC, Africa, and Europe.

KNX Touch Panels

(TP Series – Smart Touch Series)

Premium Touch Panels for Full Smart Home Control

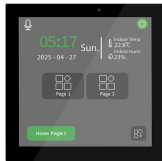
- 4-inch, 5.5-inch and Larger Touchscreen Panels
- Full Home & Building Control (Lighting, HVAC, Security, Blinds, & More)
- Multi-Touch Functionality with High-Resolution Display
- Seamless KNX & IP Integration
- Customizable UI for Personalized Automation Scenes
- Tabletop & Wall-Mounted Options Available

Designed for luxury smart homes, high-end hotels, and commercial projects.

KNX – MULTIFUNCTION TOUCH PANEL

KNX Smart Touch Panel

Flexible Expansion · Stable and practical · Full range of style · Easy installation



4" Smart Touch

Function

- 15 control pages including switch, dimming (two- color), curtains, scenes, and value sending
- HVAC, discrete air conditioning, floor heating, fresh air and other all-in-one temperature control functions
- RGB and RGBW dimming
- Ambient air quality data monitoring
- energy metering
- timer function
- 8 group event, 8 logic functions
- icon customization by SD card



5.5" Smart Touch,KNX Function

- **15 control pages** supporting: switching, dimming (two-color), curtain control, scenes, and value sending.
- **Advanced climate and HVAC control functions:**
 - Control of **HVAC systems**, discrete air conditioning, floor heating, and fresh air in an all-in-one system.
 - **Temperature and humidity display** with equipment linkage based on sensor readings.
 - **Data display** and abnormal status alarms.
- **Smart lighting and air quality monitoring:**
 - **RGB and RGBW dimming** for colored lighting control.
 - **Ambient air quality monitoring**, including temperature, humidity, CO₂, and VOCs.
 - **Energy metering** for power consumption tracking.
- **Automation and customization functions:**
 - **Built-in timer** for scheduling operations.
 - **8 event groups** for executing pre-programmed actions.
 - **8 logic functions** for creating intelligent operation rules.
 - **Icon customization via SD card** for a personalized user interface.

KNX Interfaces & Button Panels

(IF Series – GL Series & TIT Series)

Sleek Interfaces for Seamless Control

- Glass Finish Button Interfaces (4-Button & 6-Button Panels)
- Metal & Plastic Smart Panels
- AC Control Interfaces
- Scene & Lighting Control Interfaces

Tactile and elegant options for premium automation projects.

TITAN KNX SMART INTERFACE & BUTTON

A variety of appearances and crafts can be freely matched

A new exchange experience

Detrons series products integrate the four major interactive modes of button, touch, voice and app. Reshape the control rules at short, medium and long distances to achieve a more comprehensive and systematic interactive experience.

Inheriting the genes of technological aesthetics, shaping furniture wall art

The tough lines outline a minimalist design style, creating a brand-new aesthetics of home technology for you with high taste. A variety of color options to personalize your home.

Unprecedented humanized smart home experience

Supported by powerful cloud computing and artificial intelligence technology, the execution efficiency of traditional smart home has been improved to an unprecedented level, and the fool-like passive home interaction experience has been improved to a new level, so that beautiful and moving details can be seen everywhere.

Easy to change panel colors/buttons

Easy steps · Button replacement · No professional required · User-replaceable.
Standard 86 box: panel, function parts, base.

Smart panels & glass finish button interfaces



Titan - Four buttons smart panel (KNX interface base)

Elegant tactile button panel with LED indicators, supporting full KNX functions including switch, dimming, shutter, scene control, and value sending. (Presence sensing)

- **Power:** KNX Bus only, 24V - 30V DC, Max 30mA @ 24V
- **Installation:** Wall-mounted, fits in **86 × 86 mm** wall boxes
- **Material:** Plastic & Metal

Dimensions (mm): 86 × 86 × 32



Titan - Six-button smart panel (KNX interface base)

Elegant tactile button panel with LED indicators, supporting full KNX functions including switch, dimming, shutter, scene control, and value sending. (Presence sensing)

- **Power:** KNX Bus only, 24V - 30V DC, Max 30mA @ 24V
- **Installation:** Wall-mounted, fits in **86 × 86 mm** wall boxes
- **Material:** Plastic

Dimensions (mm): 86 × 86 × 32



Titan - Six-button smart panel with Sensor (KNX interface base)

Elegant tactile button panel with LED indicators, supporting full KNX functions including switch, dimming, shutter, scene control, and value sending. (Presence sensing)

- **Power:** KNX Bus only, 24V - 30V DC, Max 30mA @ 24V
- **Installation:** Wall-mounted, fits in **86 × 86 mm** wall boxes
- **Material:** Metal

Dimensions (mm): 86 × 86 × 32



Titan - 1.3 Four-button air conditioner smart panel (KNX interface base)

Intelligent air conditioning panel with OLED display, supporting VRV, fan coil, and IR control. Allows manual or remote temperature adjustment, mode selection, and fan speed control. Includes ambient gas detection and alarms.

- **Power:** KNX Bus only, 21-30V DC
- **Display:** OLED (1.3" / 1.54" / 1.68" / 1.71")
- **Material:** Plastic & Metal

Dimensions (mm): 86 × 86 × 32

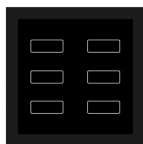


Titan - 1.54 Six-touch key air conditioner smart panel (KNX interface base)

Smart climate control panel with additional features such as **sleep mode**, **ECO mode**, **humidity detection**, and **fresh air control**. Allows for automatic scene integration.

- **Power:** KNX Bus only, 21-30V DC
- **Display:** OLED (1.3" / 1.54" / 1.68" / 1.71")
- **Installation:** Wall-mounted, fits **86 × 86 mm** and **60 × 60 mm (German standard)** wall boxes
- **Material:** Plastic & Metal

Dimensions (mm): 86 × 86 × 32

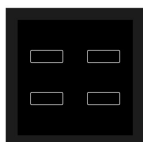


Glass Series - KNX Touch Panel Slim 6 Buttons

Function

Elegant glass touch buttons, metal frame, blue/yellow color LED indicator. Full KNX functions including switch, dimming, shutter, scene control, value sending. Supports icon customization.

- **Power:** KNX Bus only
- **Consumption:** Bus 14mA
- **Installation:** Wall-mounted, fits in **86 × 86 mm** and **60 × 60 mm (German standard)** wall boxes
- Dimensions (mm): 86 × 86 × 32**
- **Color options:** Black / Silver



Glass Series - KNX Touch Panel Slim 4 Buttons

Function

Elegant glass touch buttons, metal frame, blue/yellow color LED indicator. Full KNX functions including switch, dimming, shutter, scene control, value sending. Supports icon customization.

- **Power:** KNX Bus only
- **Consumption:** Bus 14mA
- **Installation:** Wall-mounted, fits in **86 × 86 mm** and **60 × 60 mm (German standard)** wall boxes
- Dimensions (mm): 86 × 86 × 32**
- **Color options:** Black / Silver



Glass Series - KNX Touch Panel Slim 2 Buttons

Function

Elegant glass touch buttons, metal frame, blue/yellow color LED indicator. Full KNX functions including switch, dimming, shutter, scene control, value sending. Supports icon customization.

- **Power:** KNX Bus only
- **Consumption:** Bus 14mA
- **Installation:** Wall-mounted, fits in **86 × 86 mm** and **60 × 60 mm (German standard)** wall boxes
- Dimensions (mm): 86 × 86 × 32**
- **Color options:** Black / Silver

KNX Actuators & Dimmers

- Switch Actuators (Relay Actuators)
- Multifunction Actuators (Shutter & Lighting Actuators)
- DALI Gateways for Lighting Control
- Dimmer Actuators (0-10V, Dimming Modules)

KNX Switch & Multi-functional Actuator



KNX Switch Actuator 4-Fold, 16A **KNX Secure**

DA.4.16.3 · DA.4.16.3-S · DAC.4.16.3 · DAC.4.16.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.4.16.3** (Normal)
- **DA.4.16.3-S** (Secure)
- **DAC.4.16.3** Current Measurement (Normal)
- **DAC.4.16.3-S** Current Measurement (Secure)

Specifications:

- **16A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimensions (mm): 72 × 90 × 64



KNX Switch Actuator 8-Fold, 16A **KNX Secure**

DA.8.16.3 · DA.8.16.3-S · DAC.8.16.3 · DAC.8.16.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.8.16.3** (Normal)
- **DA.8.16.3-S** (Secure)
- **DAC.8.16.3** Current Measurement (Normal)
- **DAC.8.16.3-S** Current Measurement (Secure)

Specifications:

- **16A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimensions (mm): 144*90*64



KNX Switch Actuator 12-Fold, 16A **KNX Secure**

DA.12.16.3 · DA.12.16.3-S · DAC.12.16.3 · DAC.12.16.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.12.16.3** (Normal)
- **DA.12.16.3-S** (Secure)
- **DAC.12.16.3** Current Measurement (Normal)
- **DAC.12.16.3-S** Current Measurement (Secure)

Specifications:

- **16A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimension (mm): 216*90*64



KNX Switch Actuator 4-Fold, 20A **KNX Secure**

DA.4.20.3 · DA.4.20.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.4.20.3** (Normal)
- **DA.4.20.3-S** (Secure)

Specifications:

- **20A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimensions (mm): 72 × 90 × 64



KNX Switch Actuator 8-Fold, 20A **KNX Secure**

DA.8.20.3 · DA.8.20.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.8.20.3** (Normal)
- **DA.8.20.3-S** (Secure)

Specifications:

- **20A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimension (mm): 144*90*64



KNX Switch Actuator 12-Fold, 20A **KNX Secure**

DA.12.20.3 · DA.12.20.3-S

Power: KNX Bus only

Consumption: Bus 12mA (Secure: 6.5mA)

Installation: DIN-rail Mounted

Model:

- **DA.12.20.3** (Normal)
- **DA.12.20.3-S** (Secure)

Specifications:

- **20A per channel**
- **Rated voltage (Un):** 250V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Operation mode:** Switch/Heating actuator
- **Main KNX functions:** Switching, status response, scene control (Normal: 5 folds / Secure: 8 folds), time switching, preset, logic function, threshold, forced operation, etc.

Dimension (mm): 216*90*64



KNX 8-Fold Multi-function Actuator, 10A (Normal / Secure) **KNX Secure**

DM.8.10.3 · DM.8.10.3-S

▪ **Power:** KNX Bus only

▪ **Consumption:** Bus 12mA (Secure: 10mA)

▪ **Installation:** DIN-rail Mounted

▪ **Model:**

- **DM.8.10.3** (Normal)
- **DM.8.10.3-S** (Secure)

Specifications:

- **10A per channel**
- **Rated voltage (Un):** 230V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Main KNX functions:**
 - Switching
 - Status response
 - Scene control (8 folds)
 - Time switching
 - Preset
 - Logic function
 - Threshold
 - Forced operation
 - Shutter control (AC/DC/dry contact motor type)
 - Fan control
 - Valve control (2-pipe & 4-pipe heating/cooling)
- **Dimension (mm):** 72*90*64



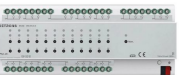
KNX 16-Fold Multi-function Actuator, 10A (Normal/Secure) **KNX Secure**

DM.16.10.3 · DM.16.10.3-S

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA (Secure: 10mA)
- **Installation:** DIN-rail Mounted
- **Model:**
 - **DM.16.10.3** (Normal)
 - **DM.16.10.3-S** (Secure)

Specifications:

- **10A per channel**
- **Rated voltage (Un):** 230V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Main KNX functions:**
 - Switching
 - Status response
 - Scene control (8 folds)
 - Time switching
 - Preset
 - Logic function
 - Threshold
 - Forced operation
 - Shutter control (AC/DC/dry contact motor type)
 - Fan control
 - Valve control (2-pipe & 4-pipe heating/cooling)
- **Dimension (mm) :** 216*90*64



KNX 24-Fold Multi-function Actuator, 10A (Normal/Secure) **KNX Secure**

DM.24.10.3 · DM.24.10.3-S

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA (Secure: 12mA)
- **Installation:** DIN-rail Mounted
- **Model:**
 - **DM.24.10.3** (Normal)
 - **DM.24.10.3-S** (Secure)

Specifications:

- **10A per channel**
- **Rated voltage (Un):** 230V AC, 50/60Hz
- **Switch type:** High-current magnetic relay
- **Main KNX functions:**
 - Switching
 - Status response
 - Scene control (8 folds)
 - Time switching
 - Preset
 - Logic function
 - Threshold
 - Forced operation
 - Shutter control (AC/DC/dry contact motor type)
 - Fan control
 - Valve control (2-pipe & 4-pipe heating/cooling)
- **Dimension (mm) :** 216*90*64



KNX Shutter Actuator 4-Fold

DS.4.6

Function:

4 independent outputs, each with 1 changeover contact (UP/DOWN mechanically interlocked), max. switching current 6A resistive, 370W motor. Shutter/Blind operating mode, scene control (8 folds).

Model: DS.4.6.3

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA
- **Installation:** DIN-rail Mounted
- **Dimension (mm) :** 72*90*64



KNX Fan coil Controller, 0-10V

DF.7.10

Function:

Output in **0-10V** or **10A/105uF**.

Max. DC current switching capacity **16A/30V DC**, **230V AC** drive, and **24V AC** with a **0-10V** drive interface.

Three-wire **PT1000** temperature sensor interface.

KNX functions include **fan coil control**, scene control (8 folds), and outputs can be used as switches.

Model: DF.7.10.3

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA
- **Installation:** DIN-rail Mounted
- **Dimension (mm) :** 72*90*64

KNX Dimming Actuator



KNX Universal Dimming Actuator, 1/2/4 fold, (KNX Secure) **KNX Secure**

DTR.1.3 · DTR.2.3 · DTR.4

- **Max. load:** 300W, leading/trailing edge phase dimming control.
- **Rated voltage (Un):** 110~230V AC, 50-60Hz.

KNX functions include:

- Switching
- Relative & absolute dimming
- Status response
- Scene control (16 folds)
- Staircase lighting
- Flashing switch
- Delay switch
- Threshold
- Forced operation
- Safety function
- 8 logic functions

Model: DTR.1.3, DTR.2.3, DTR.4.3

- **Dimming curve adjustment** (6 options + 1 customization) in ETS.
- **Manual operation and output indication function.**
- **Operating hours counter function.**
- **Power:** KNX Bus only
- **Consumption:** Bus 6mA
- **Installation:** DIN-rail Mounted



KNX 1-10V Dimming Actuator 4-Fold, 16A (Normal / Secure) **KNX Secure**

DTRV.4.3 · DTRV.4.3-S

- **Operating mode:** Passive DC 1-10V drive.
- **Switching current:** 16A / 250V AC.
- **No additional voltage input.**

KNX functions include:

- Switching
- Relative & absolute dimming
- Status response
- Scene control (15 folds)
- Preset
- Staircase lighting, etc.

Model: DTRV.4.3 (Normal), DTRV.4.3-S (Secure)

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA
- **Installation:** DIN-rail Mounted
- **Dimensions (mm):** 144 × 90 × 64



KNX LED Dimming Actuator 4-Fold, 4A

DTRL.4

▪ **Operating mode:** Constant voltage drive, **input 12–24V DC, rated current 4A, RGBW control.**

KNX functions include:

- Switching
- Relative & absolute dimming
- Status response
- Scene control (15 folds)
- Preset
- Staircase lighting, etc.

Model: DTRL.4.3

- **Power:** KNX Bus only
- **Consumption:** Bus 12mA
- **Installation:** DIN-rail Mounted
- Dimensions (mm):** 72 × 90 × 64



KNX/DALI Gateway 1/2 Fold

DLD.1.3 · DLD.2

▪ **DALI telegram broadcast function**, fault detection of lamps and ballasts in **DALI** devices.

▪ Can control **up to 64 DALI devices** per channel (**switching, dimming, brightness**).

▪ **16 group control, 16 scene control.**

▪ Supports **DCA APP** in **ETS** or PC software configuration.

Model: DLD.1.3, DLD.2.3

- **Power:** KNX Bus only
- **Consumption:** Bus 12.5mA
- **Installation:** DIN-rail Mounted
- Dimensions (mm):** 72 × 90 × 64



KNX Room Controller Smart 3.0

- **Power:** KNX Bus & Auxiliary
- **Consumption:** Bus 12mA & Auxiliary 200mA
- **Switch relay:** 4 * 16A, 21 * 6A;
- **1 fold:** AC/Dry contact shutter control
- **2 folds:** TRIAC dimming
- **3 folds:** 0-10V dimming
- **1 fold:** Fan coil actuator with 0-10V output valve
- **1 fold:** IP protocol
- **5 folds:** Dry contact/binary input/LED output
- **4 group events, 4 logic functions, 4 time functions**
- **Three-wire PT1000 temperature sensor interface**

Model: DRC.-3.0

- **Installation:** DIN-rail Mounted
- Dimensions (mm):** 216 × 90 × 64

KNX Sensors & Input Modules

- Motion & Presence Sensors
- Temperature & Humidity Sensors
- Weather Sensors

Sensors & Input Modules



KNX Presence Sensor, Microwave (KNX Secure) KNX Secure

DSN.PIR.3

Function:

Diameter/radius **8 meters**, max. mounting height **4 meters**.

Uses **24GHz microwave detection technology**.

Supports **4 presence detector channels**, with the first channel featuring **3-level control**.

Master/slave working mode, **constant lighting control**, **RTC controller**, logic, and scene group functions.

Supports **KNX secure protocol**.

Model: DSN.PIR.3-S

- **Power:** KNX Bus & Auxiliary
 - **Consumption:** Bus **4.5mA** & Auxiliary **24.5mA**
 - **Installation:** Ceiling-mounted
- Dimensions (mm):** $\varnothing 65 \times 38$ mm



KNX Motion Sensor, PIR (KNX Secure) KNX Secure

DSN.MOT.3

Function:

Diameter/radius **14 meters**, max. mounting height **12 meters**.

Uses **pyroelectric infrared detection technology**.

Supports **4 presence detector channels**, with the first channel featuring **3-level control**.

Master/slave working mode, **constant lighting control**, **RTC controller**, logic, and scene group functions.

Supports **KNX secure protocol**.

Model: DSN.MOT.3-S

- **Power:** KNX Bus only
 - **Consumption:** Bus **6.5mA**
 - **Installation:** Ceiling-mounted/Wall-mounted, fits in **86×86mm** and **60×60mm** (German standard) wall boxes
- Dimensions (mm):** $\varnothing 70 \times 51.5$ mm



KNX Brightness & Motion Sensor 8M

DSN.BR

Diameter/Radius: 8 meters, max. mounting height **2 meters**.

Master-slave detector function, **logic function**, etc.

Model: DSN.BR.3

- **Power:** KNX Bus only
 - **Consumption:** Bus **19mA**
 - **Installation:** Ceiling-mounted
- Dimensions (mm):** **72 × 91** (diameter × height)



KNX Air Quality Sensor V2

DSN.AIR

Detection and display of: **PM 2.5, PM 10, VOC, AQI, CO2**.

Built-in **temperature and humidity sensor**, connection to **ventilation, cooling/heating, air quality control**.

Includes **3 logic functions**.

Model: DSN.AIR.3

- **Power:** KNX Bus & Auxiliary
 - **Consumption:** Bus **3mA** & Auxiliary **34mA**
 - **Installation:** Wall-mounted, fits in **86×86mm** and **60×60mm** (German standard) wall boxes
- Dimensions (mm):** **86 × 86 × 48.3**



KNX IR Transmitter, Flush-mounted, 2-Fold

DIR.TX.2

- **Maximum transmitting distance:** 2 meters
- **1-fold 10A current detection**
- Supports **normal IR control** with up to **30 IR codes**
- Supports **air-condition control** with up to **266 IR codes**
- Supports **DCA APP** in **ETS configuration**

Model: DIR.TX.2.3

- **Power:** KNX Bus only
- **Consumption:** Bus **6.5mA**
- **Installation:** Flush-mounted, fits in **86×86mm** and **60×60mm (German standard)** wall boxes
- Dimensions (mm): 53 × 53 × 23.5**



KNX Gateway for IR, Ceiling, V2

DIR.GT

- **Max. installation height:** 4 meters
- **Max. transmitting distance:** 3 meters (radius)
- **Auxiliary power:** 12-30V DC
- Supports **universal IR control** with up to **30 IR codes**
- Supports **air-condition control** with up to **266 IR codes**
- Supports **DCA APP** in **ETS configuration**

Model: DIR.GT.3

- **Power:** KNX Bus only
- **Consumption:** Bus **6.5mA**
- **Installation:** Bus **8mA**
- Dimensions (mm): 91 × 76 × 82.5**

KNX Gateways & System Devices

- Power Supplies & Line Couplers
- KNX/IP Routers & Interfaces (KNX Secure)
- IoT & Cloud Gateways

Gateways & System Devices



KNX 640mA Power supply

DPS.640

Input voltage: 95V-255V AC, 50/60Hz

Output 1: 30V DC +1/-2V, SELV with choke

Output 2: 30V DC +1/-2V, SELV without choke

Total: 640mA, short-circuit protection.

Current level indicator.

The minimum distance between two power supplies in a line is 300 meters.

Model: DPS.640.3

▪ **Installation:** DIN-rail Mounted

Dimensions (mm): 72 × 90 × 64



KNX Line Coupler

DSD.LC

▪ **Power:** KNX Bus Main line & Subline

▪ **Consumption:** Bus 10mA

Can be used as a **line coupler**, **backbone coupler**, or **line repeater**, filter table for line-crossing telegrams.

Model: DSD.LC.3

▪ **Installation:** DIN-rail Mounted

Dimensions (mm): 30 × 90 × 70



KNX/IP Router

DSD.IPR

Telegram tunneling and routing, can be used as a line coupler, backbone coupler to connect several TP areas or different TP installation systems via Ethernet.

Model: DSD.IPR.3

▪ **Installation:** DIN-rail Mounted

Dimensions (mm): 30 × 90 × 70



KNX/IP Interface (KNX Secure) **KNX Secure**

DSD.IPI

RJ45 socket for 10/100Base-T, IEEE 802.3 network, auto sensing, supports a maximum of 5 clients. Supports KNX IP Secure, no need for auxiliary power.

Model: DSD.IPI.3

▪ **Installation:** DIN-rail Mounted

Dimensions (mm): 36 × 90 × 64



KNX/IP Interface 3.0 (KNX Secure) **KNX Secure**

DSD.IPI.3

▪ **Power:** KNX Bus Main line & Subline

▪ **Consumption:** Bus 20mA

RJ45 socket for 10/100Base-T, IEEE 802.3 network, auto sensing, remote programming. Project management, supports 4 local clients & 1 KNXnet/IP Device Manager.

Model: DSD.IPI.3.0

▪ **Installation:** DIN-rail Mounted

Dimensions (mm): 36 × 90 × 64

FEATURED GATEWAY (SPECIAL GATEWAY HIGHLIGHT)

Link'nX Gateway – IOT Linker

Next-Generation KNX Gateway with Advanced Integration Features

- Supports multiple protocols (KNX, DALI, ZigBee, BACnet, etc.)
- Enhanced security & encryption for data protection
- Remote access & cloud connectivity features
- ETS-Compatible & Plug-and-Play Setup

Integrate faster and farther with KNX-IOT scenarios

The Link'nX Gateway simplifies the creation of advanced scenarios by centralizing KNX scenarios and communicating with other IP devices. It enables customization of scenarios based on triggers or me conditions using an astronomical clock, KNX events or IoT.

Link'nX boasts compatibility with renowned brands like 2N, ABB (terra ac), Airzone (aidoo), Hikvision, Gude, Nuki, Sonos, Shelly, and many more. This ensures effortless integration and opens the door to new integrations, regardless of the supervision system in place.

Features

Online, from your cloud space, you can define scenarios or integrations between systems:

- Triggers (KNX, HTTPS, me, day, year, events on the aforementioned IP systems, day/night state) that will activate your scenarios.
- Conditions (year, day, me, sunrise or sunset me with offset, or a KNX/HTTPS event...).
- Actions (KNX/HTTPS/Action on the aforementioned IP systems) or action groups.
- Finally, the scenarios that compose the elements mentioned above.

Link'nX also allows you to send notifications for events. It's the ideal product for scheduling your outdoor garden lighting based on seasons or any scenario conditioned by day/night/me or any application requiring integration with cameras, intercoms, or any other IoT product.



Compatible with: 2N, ABB, Airzone, Astralpool, Control4, Crestron, Hikvision, Gude, PoolCop, Klereo, Shelly, Nuki, Sonos

Advanced Astronomical Clock

- Triggers: KNX, HTTPS, Astronomical Clock
- Conditions: KNX, HTTPS, Astronomical Clock
- Astronomical Clock with unlimited channels

Add-on

- Remote access to your KNX system through a license
- Additional notifications
- Licenses for IoT devices

Technical Specifications

- KNX TP, S-Mode (ETS), 30V, 5mA
- Ethernet: 10/100 Mbps
- Power Supply: 9-30V DC, 2 W
- Operating Temperature: -25°/+55°C
- Dimensions: DIN Rail – 2 Modules – 35mm
- Manufactured in Europe
- 2-Year Warranty

Centralization of Scenarios – KNX and others

- Streamlined ETS programming for scenarios with CSV file import from ETS
- Creation/Modification of scenarios without ETS software
- KNX/HTTPS scenarios compatible with 2N, ABB, Hikvision, Gude, Shelly, Sonos, Nuki...
- KNX/HTTPS Gateway

KNX Training Center & Dealer Program

- KNX Certified Training Courses Available
- Dealer & Installer Program Benefits
- How to Become an Authorized DETRONS Partner

KNX

Training Center

Empowering Smart Automation Professionals

- › **Certified KNX Training Programs**
Covering foundational knowledge to expert-level certification.
- › **Hands-on Learning with KNX Demo Kits**
Real-world application and system simulations.
- › **Led by Industry Experts**
Training conducted by KNX-certified professionals.
- › **Recognized Certification**
Graduates receive official KNX certification recognized globally.

Knowledge is the foundation of innovation—our training center equips professionals to lead the future of smart automation.

DEALER & INSTALLER PROGRAM BENEFITS

Why Partner with DETRONS?

Join the DETRONS Dealer & Installer Program and unlock exclusive access to premium KNX-certified automation products, technical support, and business growth opportunities. Our program is designed to empower dealers, system integrators, and installers with the right tools, resources, and incentives to succeed in the growing smart automation industry.

- ✓ **Exclusive Dealer Discounts & Pricing**
Get access to competitive wholesale pricing and volume-based discounts to maximize your profitability. Special project-based pricing for large-scale smart automation installations.
- ✓ **Certified KNX Training & Technical Support**
Comprehensive training programs to equip you with the knowledge and expertise to install, configure, and optimize DETRONS products. Dedicated technical support team to assist with product setup, troubleshooting, and system integration.
- ✓ **Marketing & Branding Support**
Access to promotional materials, brochures, and marketing assets to help you sell DETRONS products effectively. Opportunity to feature your business as an official DETRONS partner on our website and social media platforms.
- ✓ **Priority Access to New Products & Innovations**
Be the first to receive new product releases, software updates, and firmware enhancements before the general market. Beta testing opportunities for selected partners.
- ✓ **Project Consultation & Customization**
Assistance in designing, planning, and implementing smart automation solutions for your clients. Custom product configurations based on project requirements.
- ✓ **Extended Warranty & Service Benefits**
Special warranty extensions for official dealers and installers. Fast-track replacement & repair services for authorized partners.
- ✓ **Networking & Business Growth Opportunities**
Invitations to exclusive events, trade shows, and industry networking opportunities. Connection with leading architects, consultants, and smart automation professionals.

AUTHORIZED PARTNER

How to Become an Authorized DETRONS Partner?

- 1 **Submit Your Application**
Contact us via email or apply online.
- 2 **Certification & Training**
Complete the KNX-certified training program (for installers).
- 3 **Account Activation**
Get access to dealer pricing & support.
- 4 **Start Selling & Installing DETRONS Products**
Grow your business with world-class automation solutions.

For inquiries or to apply, contact us at info@detrons.com · www.detrans.com

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