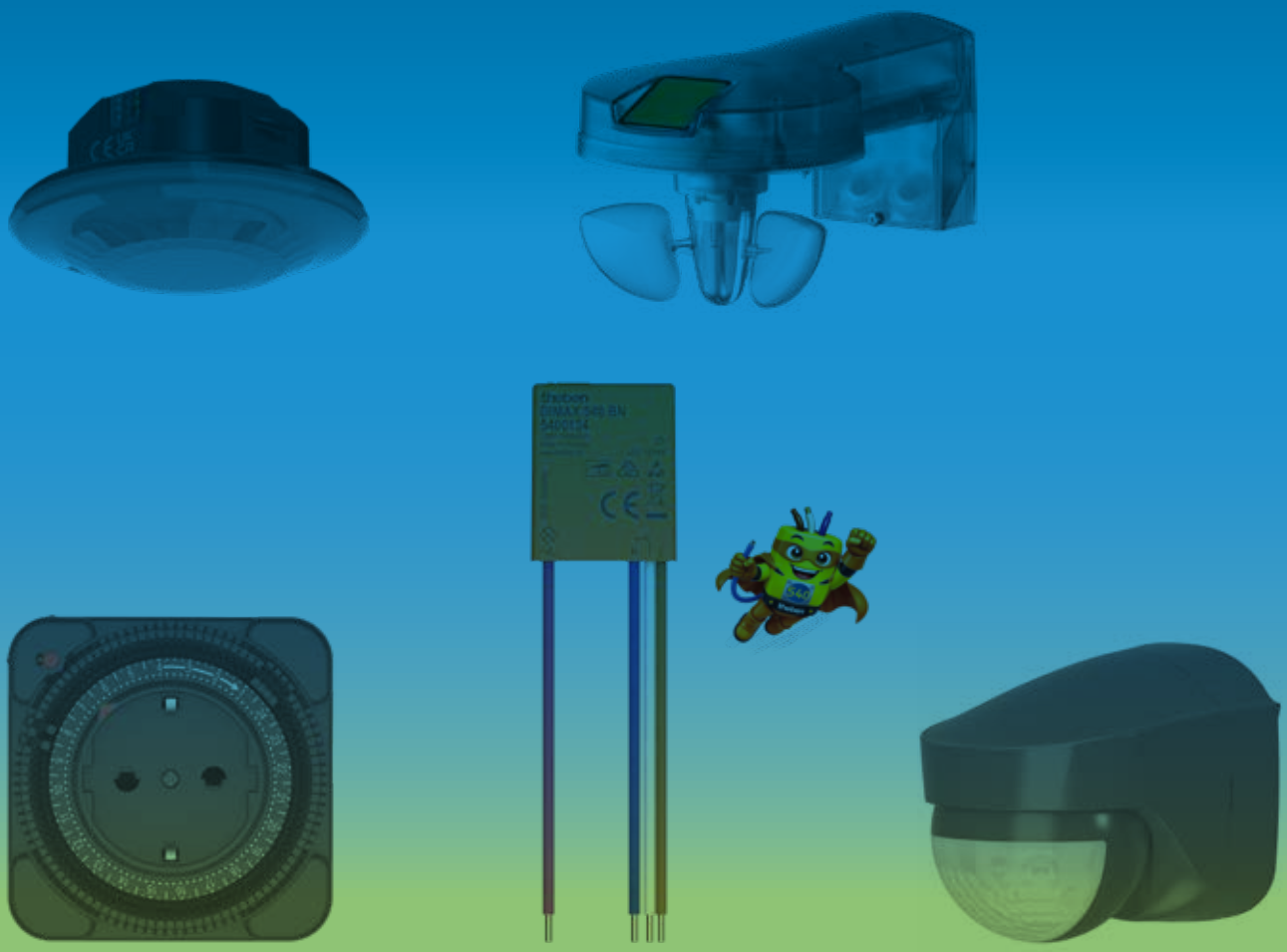
theben

News 10/2026



Building Automation since 1921



Meteodata 150 KNX

The smart weather station for intelligent buildings.

All-in-one sensors. Maximum efficiency. KNX Data Secure.

Advantages at a glance:

Smart building is standard
Reliable all-in-one solutions for modern building automation are in demand.

Energy efficiency becomes mandatory
Weather-dependent control sustainably reduces energy consumption.

Direct upgrade market
Easy replacement thanks to the compatible mounting base of the Meteodata 140 KNX.

KNX Data Secure integrated
Meets increasing security requirements – ex works.

The **Meteodata 150 KNX** bundles all relevant weather data in one device and enables efficient, automatic control of shading, climate, and building functions for greater comfort, safety, and energy savings.

- ☑ 14 sun protection channels for complex facades
- ☑ 10 universal channels or preconfigured channels for evaluating all individual sensors
- ☑ Intelligent shading with sun position, slat position & height adjustment*
- ☑ Extensive sensors: wind, rain, brightness, temperature, humidity*
- ☑ Logic, time and astro functions directly in the device*
- ☑ KNX Data Secure & firmware updateable

*Scope of functions depends on the variant

KNX weather station



- Meteodata 150 basic
- Combination Sensor/Weather Station
- KNX Data Secure
- For measuring wind, 4 x light levels, temperature, feels-like temperature, and humidity
- 14 sun protection channels for controlling independent facades, optionally with temperature and dimming functions.
- 10 universal channels for evaluating individual sensors or logically linking multiple sensors
- Logic channels: AND, OR, XOR
- 4 threshold channels for evaluating external values
- Diagnostic function in the ETS and firmware-updatable

- Meteodata 150
- Combination Sensor/Weather Station
- KNX Data Secure
- For measuring wind, rain (heated sensor), 4 x light intensity, temperature, feels-like temperature, humidity, air pressure, and global radiation
- 14 sun protection channels for controlling independent facades, optionally with temperature and dimming functions, sun-position-dependent shading including shadow edge calculation (height tracking) and slat tracking (horizontal or vertical)
- 10 universal channels for evaluating individual sensors or logically linking multiple sensors
- 4 timer channels with weekly program and up to 8 switching times per channel
- 2 astro channels with adjustable sun elevation angle and offset
- Logic channels: AND, OR, XOR
- 4 threshold channels for evaluating external values
- Diagnostic function in the ETS and firmware-updatable

- Additionally with GPS Versions
- Integrated GPS receiver for location, date, and time information

recording	With GPS module	Operating voltage	Type	Item no.
Wind, rain, brightness, temperature	-	15 – 34 V DC	Meteodata 150 24V KNX	1509201
Wind, rain, brightness, temperature, time	√	15 – 34 V DC	Meteodata 150 24V GPS KNX	1509204
Wind, rain, brightness, temperature	-	110 – 230 V AC	Meteodata 150 KNX	1509207
Wind, rain, brightness, temperature, time	√	110 – 230 V AC	Meteodata 150 GPS KNX	1509208
Wind, brightness, temperature	-		Meteodata 150 basic KNX	1509205

KNX Programming Adapter



- KNX Station programming adapter for convenient programming of removable MIX2 bus modules from the basic modules in the ETS
- A suitable interface and a KNX power supply are also required for programming

Type	Item no.
Station KNX	9080086

State-of-the-art laboratory technology
for accurate results and top performance

sens))) NORM certified

Expanded testing capabilities in our own sensLAB

The state-of-the-art sensLAB at Theben AG makes it possible to carry out numerous tests even outside the sensNORM framework conditions. This allows, for example, tests to be conducted at higher ambient temperatures. This ensures excellent detection performance even under demanding conditions.

Highest precision and comparability through triple measurement repetition

To ensure that all data is accurate and reliable, each measurement is repeated three times. The standardized measurements are carried out in accordance with sensNORM specifications, which enables planners to better compare different products. Thanks to automation, complete measurement series can be created and evaluated overnight.





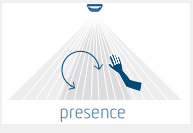
Theben sensLab
simulates conditions in the presence detector laboratory



To determine the radial detection area, the dummy is moved vertically toward the sensor. If the sensor detects the movement, the distance between the dummy and the sensor is recorded. By rotating the sensor and repeating the measurement, the radial detection area can be determined across the entire angular range and then plotted on a polar diagram.



To determine the tangential detection area, the maximum distance is identified at which the sensor can still reliably detect movement of the dummy across its plane. The tangential method depends on the sensor position and is always performed with an angular offset of ±5°. The measurement is performed across the entire sensor range from 0° to 360° and then plotted on a polar diagram.



A heated test arm is used to measure the presence detection range. The presence detection range is determined by rotating the test arm 90°, first horizontally and then vertically. In the process, the entire detection range is scanned in a grid pattern and visualized.

LUXA 103 S360-12 KNX presence detector



- Presence detector (PIR) for ceiling installation indoors or outdoors
- 360° circular detection area, Ø 12 m (113 m²) at 3 m mounting height
- For KNX bus systems, 2 lighting channels and 2 presence channels for HVAC control
- 2 lighting channels with 1 light measurement
- Automatic lighting control with constant lighting control or switching mode
- Dimmable lighting in on/off mode with or without daylight influence
- Integrated temperature sensor
- Day/night switching via telegram
- Standby functionality (orientation light)
- 3 logic channels (AND/OR/XOR)
- KNX Data-Secure
- Can be operated as a fully or semi-automatic device
- Manual override via external KNX push buttons possible
- Directional brightness measurement (mixed light measurement)
- Easy calibration of the brightness measurement
- Short-term presence detection
- Selectable control speed
- Teach-in function
- Scene functionality
- Lockout functions
- Adjustable presence switch-on delay and presence time delay
- Extension of the detection area through parallel switching
- Detection sensitivity adjustable for outdoor use
- Test mode for verifying function and detection area
- Configuration via ETS software (full range of functions)
- Configuration via remote control/app or app (BLE)
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Detection area seated	Protection class	Color	Type	Item no.
Ceiling flush-mounted	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	IP 54	Anthracite	LUXA 103 S360-12 KNX UP AN	1039152
Ceiling recessed	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	IP 54	Anthracite	LUXA 103 S360-12 KNX DE AN	1039153

LUXA 103 S360-28 KNX presence detector



- Presence detector (PIR) for ceiling installation indoors or outdoors
- Rectangular detection area 360°, 28 x 5 m (140 m²) at 3 m mounting height
- For KNX bus systems, 2 lighting channels and 2 presence channels for HVAC control
- 2 lighting channels with 1 light measurement
- Automatic lighting control with constant lighting control or switching mode
- Dimmable lighting in on/off mode with or without daylight influence
- Integrated temperature sensor
- Day/night switching via telegram
- Standby functionality (orientation light)
- 3 logic channels (AND/OR/XOR)
- KNX Data-Secure
- Can be operated as a fully or semi-automatic device
- Manual override via external KNX push buttons possible
- Directional brightness measurement (mixed light measurement)
- Easy calibration of the brightness measurement
- Short-term presence detection
- Selectable control speed
- Teach-in function
- Scene functionality
- Lockout functions
- Adjustable presence switch-on delay and presence time delay
- Extension of the detection area through parallel switching
- Detection sensitivity adjustable for outdoor use
- Test mode for verifying function and detection area
- Configuration via ETS software (full range of functions)
- Configuration via remote control/app or app (BLE)
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Protection class	Color	Type	Item no.
Ceiling flush-mounted	140 m² (28 x 5 m | 360°)	IP 54	Anthracite	LUXA 103 S360-28 KNX UP AN	1039172
Ceiling recessed	140 m² (28 x 5 m | 360°)	IP 54	Anthracite	LUXA 103 S360-28 KNX DE AN	1039173

DALI-2 IPD (Input Device) theMura DALI-2 IPD



- Passive infrared presence sensor for recessed wall mounting, DALI-2 certified
- This device provides information on "presence," "brightness," and "temperature" as a DALI telegram in accordance with IEC 62386 Parts 301/302/303/304
- 1 instance for presence
- Integrated temperature sensor and acoustic function
- High compatibility with all DALI-2 APC presence detectors from Theben as well as common higher-level control systems on the market
- Easy calibration of the brightness measurement
- Test mode for verifying function and detection area
- Configurable via DALI bus or remote control
- Detection area limitation with cover clips (optional)
- "theSenda B" app remote control (optional) and accompanying "theSenda Plug" app (for iOS/Android)
- A multi-master application controller is required for commissioning, control, and configuration. This controller must support IEC 62386 Parts 101 and 103, and optionally Parts 301, 302, 303, and 304.
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Color	Type	Item no.
Wall-mounted	170°, 14 x 17 m (238 m²)	White	theMura DALI-2 IPD UP WH	2060695

High investment security
DALI-2 standardized and future-proof

Thanks to DALI-2 certification, the theMura DALI-2 IPD can be integrated into modern light management and building management systems across different manufacturers. Standardized communication ensures high compatibility and long-term investment security.

Wide Detection Area
Reliable detection in long hallways

The theMura DALI-2 IPD was designed for installation heights of 0.8 to 1.2 m and detects motion in a rectangular detection area of up to 14 × 17 m with a detection angle of 170°. Ideal for hallways, stairwells, and passageways.

Versatile Sensing Technology:
Four Sensors in One Device

The theMura DALI-2 IPD combines presence, brightness, temperature, and acoustic detection in a single wall-mounted sensor. This provides valuable data for comfortable and energy-efficient room and light control, even in demanding applications.

Greater Safety with Orientation Lighting
Even When the Main Light Is Off

The integrated orientation light ensures better orientation in hallways, stairwells, and entryways. After the main light is turned off, it remains active for a defined time delay or continuously, depending on brightness, thereby enhancing comfort and safety.



DALI-2 IPD (Input Device) LUXA 103 DALI-2 IPD



- Passive Infrared presence sensor for ceiling Installation recessed or flush-mounted, DALI-2 Certified
- This device provides information on "presence," "brightness," and "temperature" as a DALI telegram in accordance with IEC 62386 Parts 301/302/303/304
- Installation height up to 6 m
- 1 instance for presence
- Integrated temperature sensor
- High compatibility with all DALI-2 APC presence detectors from Theben as well as common higher-level control systems on the market
- Easy calibration of the brightness measurement
- Test mode for verifying function and detection area
- Configurable via DALI bus or remote control
- Ceiling installation in a recessed box or surface-mounted
- Surface-mount installation possible with back box
- Detection area limitation with cover clips (optional)
- "theSenda B" app remote control (optional) and accompanying "theSenda Plug" app (for iOS/Android)
- A multi-master application controller is required for commissioning, control, and configuration. This controller must support IEC 62386 Parts 101 and 103, and optionally Parts 301, 302, 303, and 304.
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Detection area seated	Color	Type	Item no.
Ceiling recessed/flush-mounted	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	White	LUXA 103 DALI-2 IPD12 DE-UP WH	1030095
Ceiling recessed/flush-mounted	140 m² (28 x 5 m | 360°)	-	White	LUXA 103 DALI-2 IPD28 DE-UP WH	1030096
-	-		Back box in white	Surface box LUXA 103 DALI WH	9080049
-	-		Back box in gray	Surface box LUXA 103 DALI GR	9080050
-	-		Back box in black	Surface box LUXA 103 DALI BK	9080051

Integrated Temperature Sensor
Measures the room temperature

The LUXA 103 DALI-2 IPD measures the room temperature and transmits this data to the higher-level control system. Using this and other available information, corresponding control and automation functions can be implemented there.

Robust Design
IP54 Protection Rating

Thanks to its IP54 protection rating, this device can be used in wet rooms such as showers, locker rooms, or restrooms.

High Compatibility
Holistic System Concept

The LUXA 103 DALI-2 IPD is compatible with all DALI-2 APC presence detectors from Theben as well as with common higher-level control systems on the market.APC and IPD work together to enable self-sufficient single-room solutions without a higher-level control system

Lower power consumption Optimal
Utilization of the DALI system

Thanks to its low power consumption, the product enables optimal utilization of the DALI system while also facilitating system expansion without the need for an additional power supply.



Presence and motion detectors
Indoor sensor

Conventional presence detector LUXA 103 Ø 12 m





sens)))NORM certified

- Passive infrared presence detector
- Circular detection area 360°, Ø 12 m (113 m²) at an installation height of 3 m
- Extension of the detection area through parallel switching
- Option to connect a push button for manual operation
- Can be operated as a fully or semi-automatic device
- Directional brightness measurement (mixed light measurement)
- Teach-in function, pulse function, test function, stairwell lighting function
- Ready for immediate use thanks to factory presetting
- Values and settings can be adjusted using potentiometers or one of these optional remote controls:
- TheSenda B app/universal remote control
- Service remote control theSenda P
- Optional user remote control for manual override: theSenda S/theSenda B
- Limiting the detection area with cover clips
- Also suitable for outdoor applications; changing the installation location reduces the detection area to Ø 8 m
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Detection area seated	Switching output	LED lamp	Color	Type	Item no.
Ceiling recessed/ flush-mounted	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	Light	400 W	Anthracite	LUXA 103 S360-100-12 DE-UP AN	1030152
Ceiling recessed/ flush-mounted	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	Light | Presence	400 W	Anthracite	LUXA 103 S360-101-12 DE-UP AN	1030153
Ceiling	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	Light	400 W	Housing black, lens anthracite	LUXA 103 S360-100-12 AP AN	1030162
Ceiling	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	Light | Presence	400 W	Housing black, lens anthracite	LUXA 103 S360-101-12 AP AN	1030163

Conventional LUXA 103 presence detector for hallways 28 x 5 m





sens)))NORM certified

- Passive infrared presence detector
- Rectangular detection area 360°, 28 x 5 m (140m²) at 3 m mounting height
- 1 channel light (relay 230 V)
- Extension of the detection area through parallel switching
- Option to connect a push button for manual operation
- Can be operated as a fully or semi-automatic device
- Directional brightness measurement (mixed light measurement)
- Teach-in function, pulse function, test function, stairwell lighting function
- Ready for immediate use thanks to factory presetting
- Adjustment via remote control/app or potentiometer
- Limiting the detection area with cover clips
- Also suitable for outdoor applications; changing the installation location reduces the detection area
- Detection area sensNORM Certified

Mounting type	Detection area diagonally	Switching output	LED lamp	Color	Type	Item no.
Ceiling recessed/flush-mounted	140 m² (28,0 x 5 m)	Light	400 W	Anthracite	LUXA 103 S360-100-28 DE-UP AN	1030172
Ceiling	140 m² (28,0 x 5 m)	Light	400 W	Housing black, lens anthracite	LUXA 103 S360-100-28 AP AN	1030182

Conventional PIRA TO AP motion detector, 10 m



sens))) NORM certified

- Motion detector (PIR) for wall mounting outdoors
- Semi-circular detection area 180°, Ø 10 m at 2.5 m mounting height
- Switching output 1 channel light relay 230 V
- Brightness switching value and follow-up time adjustable on the outdoor detector
- Mixed light measurement
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Simple and time-saving wiring thanks to a practical mounting bracket for the sensor unit during installation
- Wiring is also possible with 2 x 2.5 mm² -gauge conductors
- Permanent light measurement

Mounting type	Protection class	Angle of coverage	Detection area diagonally	LED lamp	Color	Type	Item no.
Wall mounting	IP 55	180°	10 m	200 W	Anthracite	PIRA TO AP AN	1030226



The 540 Mini Heroes
Solutions for every flush-mounted box



The 540 Series is the decentralized solution that requires no additional wiring and is ideal when there is insufficient space in the control cabinet. With the Mini Heroes, modern push button and switch functions can be implemented directly in the flush-mounted box. The APP versions communicate via a Bluetooth Mesh network.

Ideal for retrofitting during renovations:
→ Yellow versions without a neutral wire

For even more precise switching and dimming:
→ Orange versions with neutral wire

Discover all the mini heroes at
www.theben.de/unterputzhelden



Mini staircase time switch, flush-mounted



- Staircase time switch (TLZ), electronic with multifunction, for example countdown function until 24 hours or post-ventilation function
- With neutral conductor
- Compact flush-mount design for easy retrofitting into existing installations, only 32.7 × 26.6 × 9.6 mm
- Existing wiring can continue to be used
- Control via existing push buttons or switches is possible
- Configuration via Bluetooth using an app; not visible to residents (tamper-proof)
- Can be networked and expanded via Bluetooth Mesh — no central control required
- Setup possible even without the app (factory default settings: push button, 3-minute time delay, active switch-off pre-warning, can be turned off early)
- Automatic synchronization of all settings across all connected devices in the network
- Up to 100 m of cable length possible between control points
- Adjustable time delay from 0.5 to 60 minutes
- Countdown timer function with a runtime of up to 24 hours, adjustable via the push button in the extended function
- Switch-off pre-warning can be enabled or disabled for increased convenience and safety
- Can be switched on at any time or turned off early
- Silent switching with no audible relay clicking
- Additional application as a fan control with adjustable time delay (4 different functions via edge detection)
- Implementation also possible with two-way connections (by rewiring); switches do not need to be replaced
- Semiconductor circuit / circuit with MOSFET semiconductor components
- No neon lamp loads permitted
- Dimensions: 32.7 x 26.6 x 9.6 mm

Function	Mounting type	Number of channels	LED lamp	Type	Item no.
Electronic	Flush-mounted	1	150 W	ELPA 540 APP BN	5400008

Mini dimmer, flush-mounted



- Flush-mounted dimmer for R and C loads
- With neutral conductor
- Cable lengths of up to 100 m are possible; also suitable for two-way connections with greater distances and multiple push buttons
- Easier selection of the optimal dimming value thanks to an extended dimming speed of 5 seconds
- Optimized settings for LEDs, incandescent and halogen lamps
- Minimum brightness function (10% in delivery state, adjustable)
- Compact design, perfect for retrofitting
- Fully encapsulated electronics
- Temperature shutdown
- Overcurrent shutdown
- Short-circuit protection
- Memory function: saves the last set light level value and uses the dimmer to reduce the light level to that value the next time the light is turned on
- With soft-start / soft-stop function
- Dimensions: 32.7 x 26.6 x 9.6 mm

Function	Mounting type	Number of channels	LED lamp	Type	Item no.
Electronic	Flush-mounted	1	150 W	DIMAX 540 BN	5400134

Mini dimmer, flush-mounted, app



- Flush-mounted dimmer for R and C loads
- With neutral conductor
- Controllable and programmable via Bluetooth using an app or push button
- Can be networked and expanded via Bluetooth Mesh
- Lighting scenes and astro program
- App for Android and iOS
- Cable lengths of up to 100 m are possible; also suitable for two-way connections with greater distances and multiple push buttons
- Easier selection of the optimal dimming value thanks to an extended dimming speed of 5 seconds
- Optimized settings for LEDs, incandescent and halogen lamps
- Minimum brightness function (10% in delivery state, adjustable)
- Compact design, perfect for retrofitting
- Fully encapsulated electronics
- Temperature shutdown
- Overcurrent shutdown
- Short-circuit protection
- Memory function: saves the last set light level value and uses the dimmer to reduce the light level to that value the next time the light is turned on
- With soft-start / soft-stop function
- Dimensions: 32.7 x 26.6 x 9.6 mm

Function	Mounting type	Number of channels	LED lamp	Type	Item no.
Electronic	Flush-mounted	1	150 W	DIMAX 540 APP BN	5400234

Smarter switching
Since 1976
50 years of theben-timer!

Back when no one had even thought of automating and smartly controlling the home, the theben-timer already offered the ability to control switching operations on a time-based schedule. That was in 1976.

Whether floor lamps, televisions, coffee makers, radios, alarm clocks, or aquariums. With the small socket time switch, a wide variety of appliances could be safely and reliably turned on and off. The simple operating concept has hardly changed in 50 years. And why should it? It works. And it works really well!
The analogue time switch for the socket was developed as early as 1976. Since then, with over 33 million units sold worldwide since its debut 50 years ago, it has become a bestseller in Theben's product lineup.





Black Edition
50
YEARS





Analogue plug-in time switch, daily program



- Analog plug-in time switch
- Daily program
- With enhanced contact protection, reduces the risk of people coming into contact with live parts of the socket and potentially receiving an electric shock as a result
- 1 channel
- Mains synchronised, without power reserve
- For use with Schuko sockets
- Switching preselection and switching status display
- 96 switching segments
- Shortest switching time: 15 minutes

Program	Number of channels	Protection class	Shortest switching time	Operating voltage	LED lamp	Color	Type	Item no.
Daily program	1	IP 20	15 min	230 V AC	400 W	Black	theben-timer 26 BK	0260050

Analogue time switches, DIN-rail, daily program, 3 modules



- Analogue time switch
- 1 channel
- **Screw terminals**
- For 2 conductors each
- Wire or stranded wire (with or without crimp terminal)
- Wire diameter: 0.5 – 2.5 mm²
- Actuator button for releasing the plug connection
- Circuit preselection
- 3-position manual switch: Continuous ON / AUTO / Continuous OFF
- Switching status display

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Wide	Type	Item no.
Daily program	1	–	15 min	230 V AC	Changeover	3 modules	SYN 161 d SK	1610021
Daily program	1	200 hours	15 min	110-230 V AC	Changeover	3 modules	SUL 181 d SK	1810021

Analogue twilight switches DIN-rail



- Analogue twilight switch
- Operating voltage 12 – 24 V UC
- External light sensor included
- Display of channel and switching status
- Switching brightness continuously adjustable
- Adjustable on and switch-off delay
- DuoFix load line connections
- Extended brightness range and adjustable delay time
- Five adjustable brightness ranges for easy setting of the lux value
- Permanent OFF and Permanent ON functions adjustable via the potentiometer
- Test function

Number of channels	Wide	LED lamp	Protection class	Adjustment range brightness	Sensor (included)	Type	Item no.
1	2 modules	50 W	II, Sensor III	2 - 50000 lx	Surface-mounted light sensor	LUNA 110 plus AL 12 – 24 V	1104130
1	2 modules	50 W	II, Sensor III	2 - 50000 lx	Built-in light sensor	LUNA 110 plus EL 12 – 24 V	1104230

DIN-rail mounting adapter



- Adapter for mounting flush-mounted devices on a DIN rail

Suitable for	Type	Item no.
Flush-mounted actuators TP / RF KNX / LUXORliving / DALI, DIMAX 545 plus P, RAMSES 814 BLE UP	RailFit H	9080090
DIMAX 541 plus E, DIMAX 542 plus S	RailFit F	9080091

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9900654 · 4026 Subject to technical changes and improvements.