

switching controlling counting



Product overview

Our portfolio at a glance

SAVE TIME

ILLUMINATE

FEEL WELL

SMART HOME

KNX



We are here for you

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Family tradition since 1929

Müller stands for innovation and quality

Hugo Müller founded the company "Omega-Müller" in 1929. Rooted in the industrial town of Schwenningen, Baden-Württemberg, the company began its journey with loudspeakers, headphones, and radio assembly kits.

In 1978, Hugo Müller made the transition to software-based products: the first time switch capable of being programmed for a year was introduced to the market. Its success was also virtually pre-programmed - the new product was exceptionally well received.

Today, in addition to intelligent time and light controls, our portfolio also includes room climate controllers, sensors and devices for building automation.

Our goal for the future is to continuously optimize and expand the range of our standard products and to provide completely individual solutions for OEM products.

All  products are manufactured
in our company in Baden-Württemberg -
100% Made in Germany



Stronger together

Your partner for OEM

Hugo Müller is your partner whenever you need a customized electro-technical product. We manage the transition from your wishes and vague specifications to well-designed serial products.

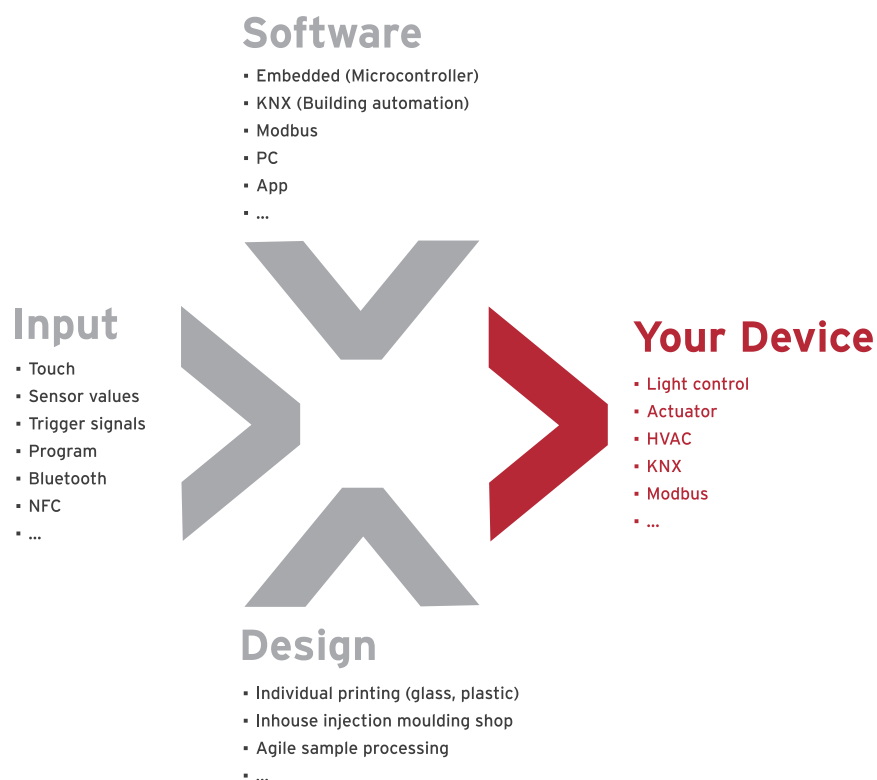
We turn your requirements into products ready for sale and offer all relevant tasks: from hardware and software development to prototypes and serial production.

All around the world, we make our partner highly satisfied with our OEM products and we want to continue to use our expertise to meet your requirements and fulfil your wishes.

For us, being your OEM partner means accepting full responsibility and to act accordingly. We want to understand the customer's point of view, by knowing the market requirements, followed by generating ideas and innovations, and finally developing, designing, and manufacturing products. We want to work hand in hand with you to achieve the best possible result.

We aim for long-term and personal partnerships with our customers. You can rely on high-quality results, an open approach, the highest quality "Made in Germany" and comprehensive service.

If you are looking for customized OEM solutions, you have come to the right partner.



Product overview

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Digital time switches week

Save time

	■ müller SC 08.11 pro	■ paladin 172 110 pro	1 channel version	- Daily and weekly program - DIN-rail mounting 17,5 mm 46 memory locations / PC-programmable - Removable programming module
NFC 	■ müller SC 18.10 easy SC 18.20 easy	■ paladin 170 410 easy 170 420 easy	1 channel version 2 channel version	- Daily and weekly program / Program by date - DIN-rail mounting 35 mm 56 memory locations / Programmable via app - Ideal for modern lamps (LED) - Exchangeable battery
	■ müller SC 28.11 pro4 SC 28.21 pro4	■ paladin 172 411 pro4 172 421 pro4	1 channel version 2 channel version	- Daily and weekly program / Program by date - DIN-rail mounting 35 mm 100 memory locations / Programmable via app - Zero-crossing, LED up to 600 W - Exchangeable battery
	■ müller SC 88.10 pro4 SC 88.20 pro4 SC 88.30 pro4 SC 88.40 pro4		1 channel version 2 channel version 3 channel version 4 channel version	- Daily, weekly or astro program / Program by date - DIN-rail mounting 70 mm 300 memory locations / Programmable via app - DCF / GPS function - Exchangeable battery
	■ müller SC 24.10 pro		1 channel version	- Daily and weekly program - Switchboard panel - Front 48 x 48 mm 46 memory locations - External input
	■ müller SC 44.11 pro4 SC 44.21 pro4		1 channel version 2 channel version	- Daily, weekly or astro program / Program by date - Switchboard panel and wall mounting 300 memory locations / Programmable via app
NFC 		■ paladin 173 110 easy	1 channel version	- Daily and weekly program - Flush-mounted fitting 56 memory locations / Programmable via app - Ideal for modern lamps (LED)
	■ müller EA 36.22 pro4		Universal controller 2 channels 2 inputs Remote-controllable	- Time switch week / astro - Blind controller - Flush-mounted fitting 100 memory locations - Programmable and controllable via app - Timer function with advance warning

Digital time switches astro

	■ müller SC 08.13 pro	■ paladin 172 113 pro 1 channel version	- Astro program - Daily and weekly program - DIN-rail mounting 17,5 mm 60 memory locations / PC-programmable - Removable programming module
	■ müller SC 18.13 easy	■ paladin 170 413 easy 1 channel version	- Astro-daily-program - DIN-rail mounting 35 mm 4 memory locations / Programmable via app - Ideal for modern lamps (LED) - Exchangeable battery
	■ müller SC 18.14 easy SC 18.24 easy	■ paladin 170 414 easy 170 424 easy 1 channel version 2 channel version	- Astro program - Daily and weekly program - DIN-rail mounting 35 mm 56 memory locations / Programmable via app - Ideal for modern lamps (LED) - Exchangeable battery
	■ müller SC 28.13 pro4 SC 28.23 pro4	■ paladin 172 413 pro4 172 423 pro4 1 channel version 2 channel version	- Astro program - Daily and weekly program - DIN-rail mounting 35 mm 100 memory locations / Programmable via app - Ideal for modern lamps (LED) - Exchangeable battery
		■ paladin 173 113 easy 1 channel version	- Astro program - Daily and weekly program - Flush-mounted fitting 56 memory locations / Programmable via app - Ideal for modern lamps (LED)
	■ müller EA 36.22 pro4	Universal controller 2 channels 2 inputs Remote-controllable	- Time switch week / astro - Blind controller - Flush-mounted fitting 100 memory locations - Programmable and controllable via app - Timer function with advance warning

Digital time switches year

	■ müller SC 28.19 pro	1 channel version	- Daily, weekly and yearly program - DIN-rail mounting 35 mm 300 memory locations - Programmable via PC / Data-key - DCF / GPS function
	■ müller SC 98.10 pro4 SC 98.20 pro4 SC 98.30 pro4 SC 98.40 pro4	1 channel version 2 channel version 3 channel version 4 channel version	- Daily, weekly or astro program / Yearly program - DIN-rail mounting 70 mm 300 memory locations / Programmable via app - DCF / GPS function - Exchangeable battery



Masterclocks

	■ müller SC 58.07 pro	1 slaveclock line	■ Master clock ■ DCF / GPS function ■ Approx. 5 slave clocks ■ Security by PIN-code
	■ müller SC 58.08 pro	1 slaveclock line	■ Master clock ■ Suitable for church clocks ■ DCF / GPS function ■ Security by PIN-code
	■ müller SC 58.17 pro	1 slaveclock line 1 channel	■ Master clock and digital time switch week ■ 300 memory locations ■ DCF / GPS function ■ Approx. 20 slave clocks ■ Security by PIN-code
	■ müller SC 98.47 pro	1 slaveclock line 4 channels	■ Master clock and digital time switch year ■ 300 memory locations ■ DCF / GPS function ■ Approx. 40 slave clocks ■ Security by PIN-code
	■ müller SC 93.47 pro	1 slaveclock line 4 channels	■ Master clock and digital time switch year ■ 19"-housing ■ 300 memory locations ■ DCF / GPS function ■ Approx. 200 slave clocks ■ Security by PIN-code
	■ müller SC 95.47 pro	1 slaveclock line 4 channels	■ Master clock and digital time switch year ■ 19"-housing ■ 300 memory locations ■ DCF / GPS function ■ Approx. 200 slave clocks ■ Security by PIN-code

Analogue time switches



Save time

	■ müller VS 10.18 VS 14.18	■ paladin 111 120 114 120 Day without reserve Day with reserve	■ Daily program ■ DIN-rail mounting 17,5 mm ■ Captive setting keys ■ Manual override switch - Permanent ON / Permanent OFF / AUTO
	■ müller VS 20.18 VS 24.18	■ paladin 151 220 154 220 Day without reserve Day with reserve	■ Daily program ■ DIN-rail mounting 35 mm ■ Captive setting keys ■ Manual override switch - Permanent ON / Permanent OFF / AUTO
	■ müller VS 30.18 VS 34.18	■ paladin 131 120 134 120 Day without reserve Day with reserve	■ Daily program ■ DIN-rail mounting 52,5 mm ■ Wall mounting ■ Captive setting keys ■ Manual override switch - Permanent ON / Permanent OFF / AUTO
	■ müller FS 60.18 FS 64.18 FS 60.38 FS 64.38	■ paladin 161 120 164 120 161 420 164 420 Day without reserve Day with reserve Week without reserve Week with reserve	■ Daily / Weekly program ■ Wall mounting ■ Switchboard panel ■ Captive setting keys ■ Manual override switch - Permanent ON / Permanent OFF / AUTO

Blind controllers

	■ müller EA 36.22 pro4 Universal controller 2 channels 2 inputs Remote-controllable	■ Time switch week / astro ■ Blind controller ■ Flush-mounted fitting ■ 100 memory locations ■ Programmable and controllable via app ■ Timer function with advance warning
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Elapsed time counters

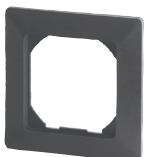
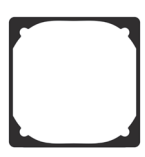
	■ müller BG 30.18 BW 30.18	DC / Front 53 x 28 mm AC / Front 53 x 28 mm	■ Switchboard panel ■ Integral locking spring ■ With universal connections ■ Mounting aperture: 50 x 25 mm ■ With operation indicator
	■ müller BG 40.17 BW 40.17 BG 40.27 BW 40.28 BG 40.37 BW 40.38	DC / Front 48 x 48 mm AC / Front 48 x 48 mm DC / Front 55 x 55 mm AC / Front 55 x 55 mm DC / Front 72 x 72 mm AC / Front 72 x 72 mm	■ Switchboard panel ■ With retaining clip ■ With universal connections ■ Mounting aperture square: 45x45mm / circle: 50,5mm ■ With operation indicator
	■ müller BG 70.18 BW 70.18	DC AC	■ DIN-rail mounting 17,5 mm ■ No terminal cover ■ Screw terminals (pull-up type) ■ Touch proof connections ■ With operation indicator
	■ müller BG 70.29 BW 70.29 BG 70.89 BW 70.89	DC / without terminal cover AC / without terminal cover DC / with terminal cover AC / with terminal cover	■ DIN-rail mounting 35 mm ■ With or without terminal cover ■ Screw terminals (pull-up type) ■ Touch proof connections ■ With operation indicator

Count down timers / Relays

	■ müller TC 14.21 TC 24.21	9:59:59 hh:mm:ss 99:59:59 hh:mm:ss	■ Timer ■ Panel mounting ■ Front 48 x 48 mm ■ 1 change-over relay ■ Repeatability accuracy 100% ■ Inputs for START / STOP
	■ müller MR 28.10 pro	999:59:59:59 hhh:mm:ss:1/10s	■ Digital multifunctional relay ■ DIN-rail mounting 35 mm ■ 1 channel (CO) ■ 20 functions ■ External input
	■ müller EA 36.22 pro4	Universal controller 2 channels 2 inputs Remote-controllable	■ Time switch week / astro ■ Blind controller ■ Flush-mounted fitting ■ 100 memory locations ■ Programmable and controllable via app ■ Timer function with advance warning

Accessories

	■ müller DK pro Data-key	■ Data-key for Programming Package PP 50.00 pro ■ Accessory for pro-devices and SC 98.40 knx ■ Convenient programming of switching times on the PC
	■ müller PP 50.00 pro Programming Package USB	■ Programming Package Save 'n carry ■ Accessory for pro-devices and SC 98.40 knx ■ Convenient programming of switching times on the PC ■ Data download from key to PC, modification of data and upload to key ■ Switching programs can be archived on the PC
	■ müller FU 20.00 pro DCF-time FU 30.00 pro GPS-time	■ Radio receiver ■ FU 20.00 pro: 2-wire-connection ■ FU 30.00 pro: 3-wire-connection ■ Accessory for time switches and master clocks ■ Time and date are automatically transferred to the time switch

	Trim 55x55 for Bx 40 / TC x4 / SC 24.10 pro Order number 190.003		Self-adhesive seal for Bx 40 / TC x4 / SC 24.10 pro Order number 101.001
	Mask 72x72 for Bx 40 / TC x4 / SC 24.10 pro Order number 190.004		IP54-seal for Bx 40 / TC x4 / SC 24.10 pro Order number 101.003
	Mask Ø 72 (installation Ø 60) for Bx 40 / TC x4 / SC 24.10 pro Order number 190.008		Retaining clip for Bx 40 / TC x4 / SC 24.10 pro Order number 715.003

	Terminal Cover for Bx 29 Order number 003.008 (black) Order number 003.010 (white)		Retaining clip for Bx 30 Order number 715.005
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Staircase lighting timers

	paladin 284 210 Without advance warning 284 250 With advance warning	- Staircase lighting timer - Electronic - DIN-rail mounting 17,5 mm 3- or 4-conductor rising mains - Zero-cross switching - Resettable
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Twilight switches

	paladin 972 413 easy 1 channel version	- Digitale twilight switch - With daily program - DIN-rail mounting 35 mm - Programmable via app - Ideal for modern lamps (LED) - Exchangeable battery
	paladin 922 000 1 channel version	- Analogue twilight switch - Wall mounting - Ideal for modern lamps (LED)
	paladin 923 500 1 channel version sensor for wall mounting	- Analogue twilight switch - DIN-rail mounting 17,5 mm - Zero-cross switching - Ideal for modern lamps (LED)

Dimmers

	paladin 873 010 rlc for RLC loads	- RLC dimmer - Flush-mounted fitting - Dimensions: 46 x 42 x 13 mm - Load 15 - 400 W - Memory function - With litz wires
	paladin 873 030 led for LED loads	- LED dimmer - Flush-mounted fitting - Dimensions: 46 x 42 x 13 mm - Load 4 - 100 W / 350 W - Memory function - With litz wires
	paladin 873 031 led for LED loads without neutral wire	- LED dimmer without N-wire - Flush-mounted fitting - Dimensions: 46 x 42 x 13 mm - Load 4 - 80 W / 200 W - Memory function - With litz wires
	paladin 873 040 led for LED-strips	- LED-strips dimmer - Flush-mounted fitting - Dimensions: 46 x 42 x 13 mm - LED-strips 8 A - Memory function - With litz wires

Dimmers



	paladin 872 110 led for LED loads	- LED dimmer / Universal dimmer - DIN-rail mounting 17,5 mm - LED Load 4 - 80 VA - Memory function - Master-slave-function
	paladin 879 410 led for dimmable LEDs	- TRIAC dimmer for LED lamps - DIN-rail mounting 87,5 mm - Dimmable LEDs 4 - 1.200 W - Memory function - Master-slave-function

Astro dimmers

	paladin 872 413 pro4 LED dimmer	- LED dimmer - Astro function - DIN-rail mounting 35 mm - LED loads 4 - 150 W / trailing edge dimming 100 memory locations / Programmable via app
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Smart Bluetooth dimmers

	müller EA 26.11 pro4 LED dimmer mini	- LED-dimmer with astro function - Flush-mounted fitting - LED-loads 4 - 150 W / trailing edge dimming - Remote control via Bluetooth mesh / gateway - Programmable and controllable via App
	müller EA 27.11 pro4 LED-strip dimmer mini	- LED-dimmer with astro function - Flush-mounted fitting - LED strips (12-24 V DC) 4 A / pulse width modulation - Remote control via Bluetooth mesh / gateway - Programmable and controllable via App
	müller EA 66.11 pro4 LED dimmer	- LED-dimmer with astro function - Flush-mounted fitting - LED-Last 4 - 150 W / trailing edge dimming - Remote control via Bluetooth mesh / gateway - Programmable and controllable via App
	müller EA 76.10 pro4 Touch LED dimmer	- LED-dimmer with astro function - Flush-mounted fitting - LED-Last 4 - 150 W / trailing edge dimming - Remote control via Bluetooth mesh / gateway - Programmable and controllable via App

0-10V sensors

	■ müller TS 30.00 pro Room temperature sensor	■ Temperature sensor ■ Wall mounting / modern and planar design [80 mm] ■ Control output (0 - 10 V)
	■ müller GS 30.00 pro Room temperature sensor & rel. humidity sensor	■ Temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm] ■ 2 control outputs (0 - 10 V)
	■ müller GS 40.00 pro CO₂-air quality sensor & room climate sensor	■ CO₂, temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm] ■ 3 control outputs (0 - 10 V)

Modbus sensors

	■ müller TS 30.40 mod TS 31.40 mod Room temperature sensor Room temperature sensor with manual set-point temperature adjustment	■ Temperature sensor ■ Wall mounting / modern and planar design [80 mm] ■ Modbus ASCII and RTU ■ 2 Control outputs (0-10 V) ■ 2 Control outputs (FET)
	■ müller GS 30.40 mod GS 31.40 mod Room temperature sensor with hygrostat Room temperature sensor with hygrostat with manual set-point temperature adjustment	■ Temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm] ■ Modbus ASCII and RTU ■ 2 Control outputs (0-10 V) ■ 2 Control outputs (FET)
	■ müller GS 40.40 mod GS 41.40 mod CO₂-air quality sensor quality sensor with manual set-point temperature adjustment	■ CO₂, temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm] ■ Modbus ASCII und RTU ■ 2 Control outputs (0-10 V) ■ 2 Control outputs (FET)

Air quality sensors / CO₂-monitor

	■ müller GS 42.00 pro CO₂-monitor with power supply for flush-mounting	■ Air quality sensor / CO₂-monitor ■ Wall mounting / modern and planar design [80 mm] ■ CO₂ sensor ■ Maintenance-free through self-calibration ■ Mute function ■ 3 open collector outputs
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puck your home

The intelligent solution for creating smart rooms and buildings, which is suitable for new buildings, renovation projects as well as for simple retrofit solutions in existing buildings.



The mi.puck App
for setting up
and operating the
mi.puck devices



- ✓ Dimming and switching lights
- ✓ Control of shutters and blinds, time- and light-dependent
- ✓ Control the room temperature
- ✓ Switching electrical loads on and off



Set times

With the integrated astro and weekly timer, flexible programs can be created for each mi.puck.



BT-Mesh network

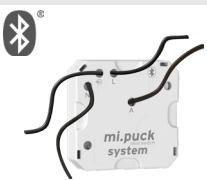
The devices form a Bluetooth mesh, ensuring connectivity that is reliable even without cabling.



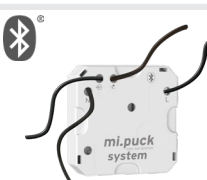
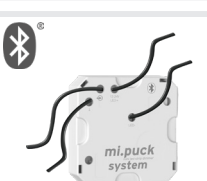
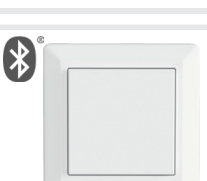
Flexible access

You can control the system via a switch, push-button or the app and access it from anywhere using the gateway.

mi.puck switches

	■ müller EA 16.11 pro4 Multifunctional device 1 channel 1 input mini	■ Time switch week / astro ■ Clock thermostat / hygostat (with LS 20.00 pro4) ■ Flush-mounted fitting ■ Remote control via Bluetooth mesh / gateway
	■ müller EA 46.22 pro4 Multifunctional device 2 channels 2 inputs	■ Time switch week / astro ■ Blind controller ■ Clock thermostat / hygostat (with LS 20.00 pro4) ■ Flush-mounted fitting ■ Remote control via Bluetooth mesh / gateway

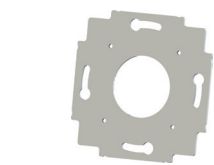
mi.puck dimmers

	■ müller EA 26.11 pro4 LED-dimmer mini	■ LED-dimmer with astro function ■ Flush-mounted fitting ■ LED loads 4 - 150 W / trailing edge dimming ■ Remote control via Bluetooth mesh / gateway
	■ müller EA 27.11 pro4 LED-strip dimmer mini	■ LED-dimmer with astro function ■ Flush-mounted fitting ■ LED strips (12 - 24 V DC) 4 A / pulse width modulation ■ Remote control via Bluetooth mesh / gateway
	■ müller EA 66.11 pro4 LED-dimmer	■ LED-dimmer with astro function ■ Flush-mounted fitting ■ LED loads 4 - 150 W / trailing edge dimming ■ Remote control via Bluetooth mesh / gateway
	■ müller EA 76.10 pro4 Touch LED-dimmer	■ Touch LED-dimmer with astro function ■ Flush-mounted fitting / fits into 55 x 55 mm switch design ■ LED loads 4 - 150 W / trailing edge dimming ■ Remote control via Bluetooth mesh / gateway

mi.puck sensor

	■ müller LS 20.00 pro4 Multisensor	■ Light / brightness, temperature and rel. humidity sensor ■ Suitable for: EA 16.11 pro4, EA 46.13 pro4 und EA 46.22 pro4 ■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation ■ Compact housing
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mi.puck accessories

	■ müller 200.001 Mounting plate for wall box	■ Suitable for LS 20.00 pro4
	■ müller 200.002 Mounting angle for outdoor installation	■ Suitable for LS 20.00 pro4 ■ Wall mounting
	mi.puck App Free download	■ App to control the mi.puck devices remotely ■ Creating a network with Bluetooth mesh ■ Integrated gateway function

KNX Audio Interface

	■ müller AS 10.00 knx Buzzer	■ Wall mounting / fits in common switch range [55 mm] / outdoor installation ■ Compact housing ■ 3 volume levels ■ Adjustable sequence
	■ müller AS 26.01 knx AS 26.11 knx Chime interface without loudspeaker Chime interface with loudspeaker (LA 06.10)	■ Flush-mounted fitting ■ 12 melodies selectable ■ Adjustable sound level ■ External loudspeaker ■ 1 binary input
	■ müller AS 36.03 knx AS 36.13 knx Audio interface without loudspeaker Audio interface with loudspeaker (LA 06.10)	■ Flush-mounted fitting ■ 6 individual MP3-files, 12 pre-defined melodies ■ Adjustable sound level ■ External loudspeaker ■ 3 binary inputs

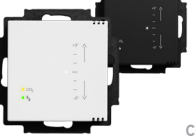
KNX Room temperature controllers

	■ müller TS 10.00 knx Room temperature controller	■ Temperature sensor ■ Wall mounting / fits in common switch range [55 mm] / outdoor installation ■ Compact housing
	■ müller TS 30.11 knx TS 31.11 knx Room temperature controller Room temperature controller with manual set-point temperature adjustment	■ Temperature sensor ■ Wall mounting / modern and planar design [80 mm] ■ 5 binary and analogue inputs ■ TS 31.11 knx: manual adjustment of set-point temperature +/- 3°
	■ müller TS 37.11 knx TS 38.11 knx Room temperature controller Room temperature controller with manual set-point temperature adjustment	■ Temperature sensor ■ Flush-mounted fitting / fits in common switch range [55 mm] ■ 5 binary and analogue inputs ■ TS 38.11 knx: manual adjustment of set-point temperature +/- 3°
	■ müller TS 57.00 knx0 Room temperature controller	■ Temperature sensor ■ Flush-mounted fitting / fits in common switch range [55 mm] ■ 3 analogue outputs (0-10 V), 3 binary inputs ■ 1 input for an external temperature sensor ■ KNX Secure

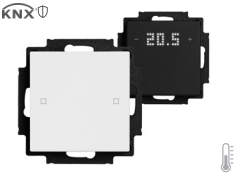
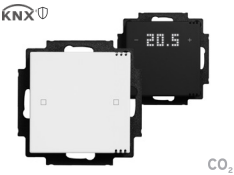
KNX Humidity controllers

	■ müller GS 10.00 knx Room temperature controller & hygrostat	■ Temperature, humidity and atmospheric pressure sensor ■ Wall mounting / fits in common switch range [55 mm] / outdoor installation ■ Compact housing
	■ müller GS 30.11 knx Room temperature controller & hygrostat GS 31.11 knx Room temp. controller & hygrostat with manual set-point temperature adjustment	■ Temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm] ■ 5 binary and analogue inputs ■ GS 31.11 knx: manual adjustment of set-point temperature +/- 3°

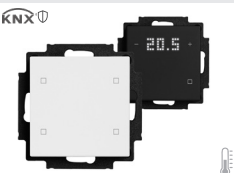
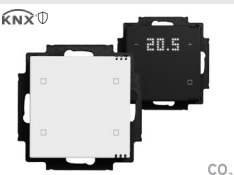
KNX Air quality controllers

 VOC	■ müller GS 20.00 knx VOC-air quality sensor / controller	■ Air quality sensor and controller ■ Wall mounting / fits in common switch range [55 mm] / outdoor installation ■ VOC, temperature, humidity and atmospheric pressure sensor
 CO₂	■ müller GS 40.01 knx CO₂-air quality sensor / controller GS 41.01 knx CO₂-air quality sensor / controller with manual set-point temperature adjustment	■ Air quality sensor and controller ■ Wall mounting / modern and planar design [80 mm] ■ CO₂, temperature, humidity and atmospheric pressure sensor ■ GS 41.01 knx: manual adjustment of set-point temperature +/- 3°
 CO₂	■ müller GS 40.11 knx CO₂-air quality sensor / controller GS 41.11 knx CO₂-air quality sensor / controller with manual set-point temperature adjustment	■ Air quality sensor and controller ■ Wall mounting / modern and planar design [80 mm] ■ CO₂, temperature, humidity and atmospheric pressure sensor ■ 5 binary and analogue inputs ■ GS 41.11 knx: manual adjustment of set-point temperature +/- 3°
 CO₂	■ müller GS 47.11 knx CO₂-air quality sensor & controller GS 48.11 knx CO₂-air quality sensor & controller with manual set-point temperature adjustment & CO₂/rH-monitor	■ Air quality sensor and controller ■ Flush-mounted fitting / fits in common switch range [55 mm] ■ CO₂, temperature, humidity and atmospheric pressure sensor ■ 5 binary and analogue inputs ■ GS 48.11 knx: manual adjustment of set-point temperature +/- 3°
 CO₂	■ müller GS 67.00 knx0 CO₂-air quality sensor & controller	■ Air quality sensor and controller ■ Flush-mounted fitting / fits in common switch range [55 mm] ■ 3 analogue outputs (0-10 V), 3 binary inputs ■ 1 input for an external temperature sensor ■ KNX Secure
 PM_{2.5}	■ müller GS 70.00 knx Particulate matter sensor & air quality controller	■ Particulate matter sensor and air quality controller ■ VOC sensor ■ Temperature, humidity and atmospheric pressure sensor ■ Wall mounting / modern and planar design [80 mm]

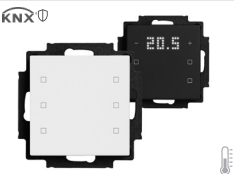
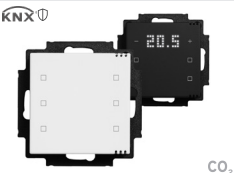
2-fold Push-buttons

	■ müller	TS 57.00 knx2	2 neutral buttons	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		TS 58.00 knx2	temperature display 2 buttons temperature	
	■ müller	GS 67.00 knx2	2 neutral buttons	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		GS 68.00 knx2	temperature display 2 buttons temperature	

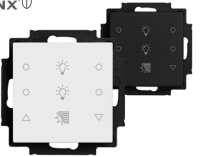
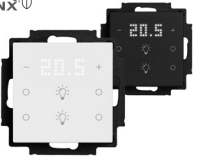
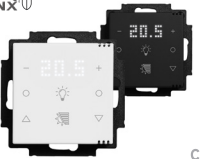
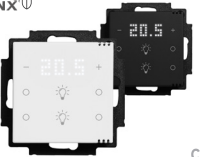
4-fold Push-buttons

	■ müller	TS 57.00 knx4	4 neutral buttons	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		TS 58.00 knx4	temperature display 2 buttons temperature 2 neutral buttons	
	■ müller	GS 67.00 knx4	4 neutral buttons	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		GS 68.00 knx4	temperature display 2 buttons temperature 2 neutral buttons	

6-fold Push-buttons

	■ müller	TS 57.00 knx6	6 neutral buttons	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		TS 58.00 knx6	temperature display 2 buttons temperature 4 neutral buttons	
	■ müller	GS 67.00 knx6	6 neutral buttons	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
		GS 68.00 knx6	temperature display 2 buttons temperature 4 neutral buttons	

6-fold Push-buttons with Icons

	■ müller TS 57.21 knx6 4 buttons light 2 buttons shutter	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
	■ müller TS 58.11 knx6 temperature display 2 buttons temperature 2 buttons light 2 buttons shutter	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
	■ müller TS 58.20 knx6 temperature display 2 buttons temperature 2 buttons light	■ Temperature sensor / room temperature controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
	■ müller GS 67.21 knx6 4 buttons light 2 buttons shutter	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
	■ müller GS 68.11 knx6 temperature display 2 buttons temperature 2 buttons light 2 buttons shutter	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure
	■ müller GS 68.20 knx6 temperature display 2 buttons temperature 2 buttons light	■ CO₂, temperature, humidity and air pressure sensor / air quality controller ■ Flush mounting / Fits in common switch range [55 mm] ■ 3 analog outputs (0-10 V), 3 binary inputs ■ 1 input for ext. temperature sensor ■ KNX Secure

KNX Outdoor sensors

	■ müller LS 20.00 knx Light / brightness sensor	■ Light / brightness sensor ■ Wall mounting (IP54) ■ Lighting control ■ Twilight switch with daily program ■ Daily time switch ■ Compact housing
	■ müller LS 30.00 knx Light / brightness & temperature sensor	■ Light / brightness and temperature sensor ■ Wall mounting (IP54) ■ Lighting and temperature control ■ Twilight switch with daily program ■ Daily time switch ■ Compact housing
	■ müller FU 40.00 knx GPS sensor station with Light / brightness & temperature sensor	■ GPS sensor station ■ Wall mounting (IP54) ■ Lighting and temperature control ■ Twilight switch with daily program ■ Daily & astronomic time switch ■ Provides time base to KNX-Bus

Further KNX-TP products

	■ müller EA 36.32 knx Universal interface with 3 inputs, 2 outputs & integrated room temperature controller	■ Universal interface for building automation KNX ■ Flush-mounted fitting ■ 3 configurable inputs ■ 2 binary outputs (LED / open collector) ■ Integrated room temperature controller ■ External temperature sensor available
	■ müller SC 98.40 knx Digital yearly time switch 4 channels	■ Yearly time switch for building automation KNX ■ DIN-rail mounting 70 mm ■ 4 channels / 300 memory locations ■ PC-programmable ■ Data key function ■ DCF / GPS function

KNX-RF switching actuators

 	paladin 683 730 rfs Switching actuator 1 channel	■ Switching actuator 1 channel ■ Flush-mounted fitting ■ Switching capacity: 16 A / 250 V ■ Functions: switch, timer, staircase lighting timer ■ KNX-RF 1.R S-Mode
 	paladin 683 732 rfs Switching actuator / shutter actuator 2 channels	■ Switching actuator 2 channel / shutter actuator ■ Flush-mounted fitting ■ Switching capacity: 16 A / 250 V ■ Functions: shutter- / blind control ■ External pushbutton input ■ KNX-RF 1.R S-Mode

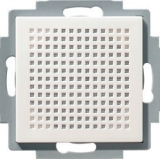
KNX-RF dimmers

 	paladin 683 830 rfs for RLC / LED loads	■ RLC / LED dimmer ■ Flush-mounted fitting ■ Load 4 - 250 W ■ Leading- / trailing edge dimming ■ Additional connection for wired push-buttons ■ KNX-RF 1.R S-Mode
 	paladin 683 831 rfs for LED-strips	■ LED-strip dimmer ■ Flush-mounted fitting ■ LED strips up to 8 A ■ LED strips 12 - 48 V DC ■ Pulse width modulation (PWM) ■ KNX-RF 1.R S-Mode
 	paladin 683 834 rfs for DALI ballasts	■ DALI dimmer / gateway ■ Flush-mounted fitting ■ 1 channel / 1 group ■ Up to 64 drivers can be controlled ■ Broadcasting communication ■ KNX-RF 1.R S-Mode

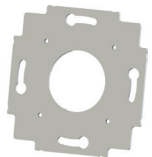
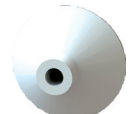
KNX-RF sensors and transmitters

 	paladin 683 010 rfs Pushbutton interface	■ Wireless pushbutton interface ■ Build-in temperature sensor ■ Flush-mounted fitting ■ Input for max. 2 wired pushbuttons ■ Battery operated (battery lifetime approx. 8 years) ■ KNX-RF 1.R S-Mode
 	paladin 686 312 rfs Multi sensor	■ Wireless sensor ■ Temperature, light and humidity ■ Wall mounting ■ Transmission of sensor values via RF ■ Battery operated (battery lifetime approx. 8 years) ■ KNX-RF 1.R S-Mode
 	paladin 686 410 rfs Door- / window contact sensor	■ Door- / window contact sensor ■ Wall mounting ■ Transmission of open / close status via RF ■ Battery operated (battery lifetime approx. 12 years) ■ KNX-RF 1.R S-Mode

Accessories

	■ müller LA 06.10 Loudspeaker mini	■ Mini Loudspeaker for flush-mounting ■ Nominal Impedance: 8 ohm ■ Suitable for: AS 26.01 knx and AS 36.03 knx
	■ müller LA 16.10 Loudspeaker	■ Loudspeaker for flush-mounting ■ Nominal Impedance: 6 ohm ■ Suitable for: AS 26.01 knx and AS 36.03 knx
	■ müller TF 06 sensor / probe 4 m TF 16 sensor / probe 20 cm	■ External temperature sensor ■ Measuring range: -15...+70°C ■ Cable length: 4 m / 20 cm ■ Suitable for: EA 36.32 knx, TS 3x.10 knx, TS 3x.11 knx, GS 3x.10 knx, GS 3x.11 knx, GS 4x.10 knx, GS 4x.11 knx
	■ paladin 683 520 rfs Gateway KNX RF / TP	■ Gateway KNX RF / TP ■ Flush-mounted fitting ■ RF-repeater function ■ KNX-RF 1.R S-Mode

Mounting accessories

	Mounting plate for wall box suitable for 55 x 55 mm switch design products Order number 200.001		Mounting angle for outdoor installation IP X4 suitable for 55 x 55 mm wall mounting products Order number 200.002
	Vaccum cup suitable for 55 x 55 mm wall mounting products Order number 200.003		Back part for surface wiring suitable for 80 x 80 mm wall mounting products Order number 200.004



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