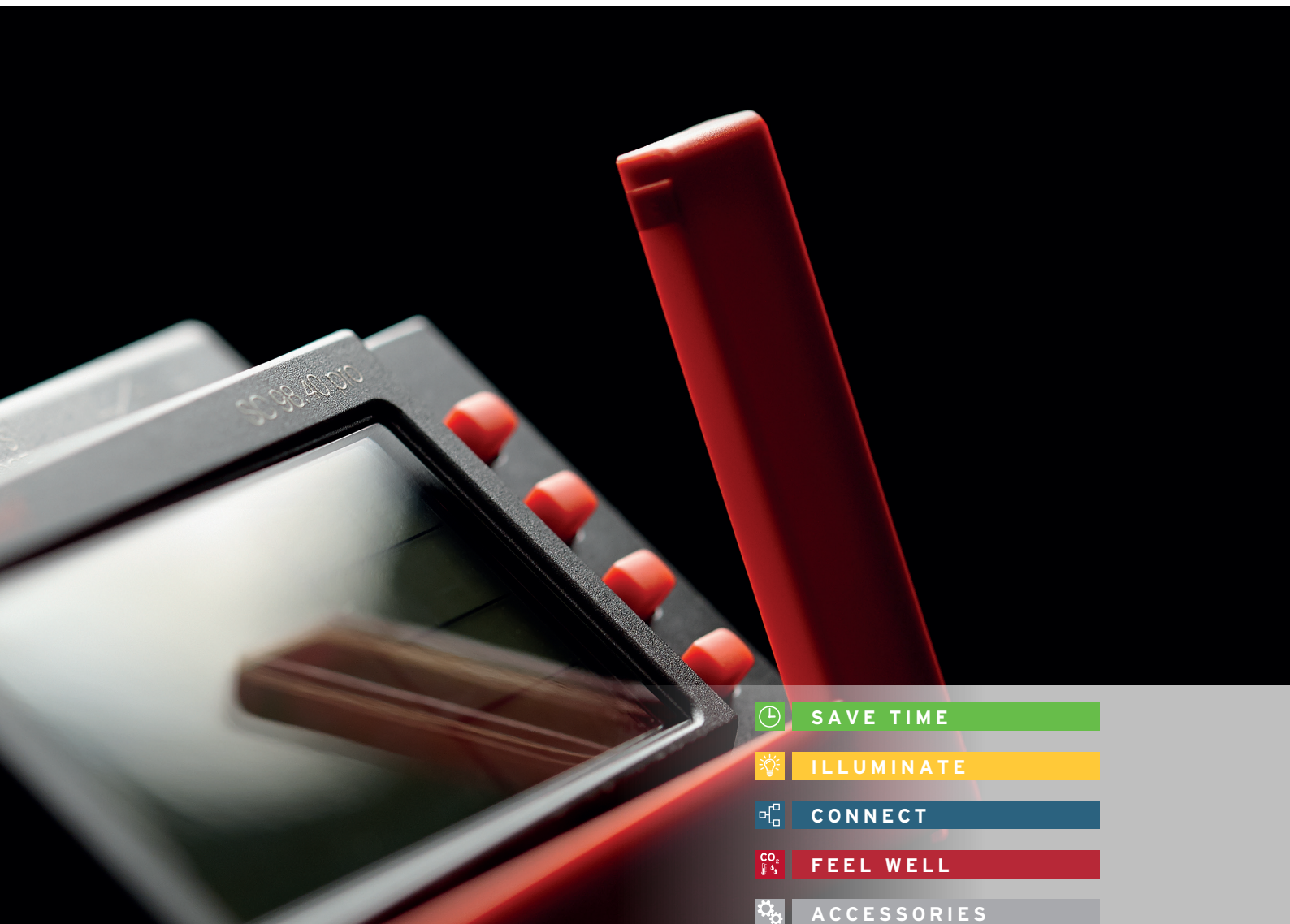


h u g o m ü l l e r

switching controlling counting








-  **SAVE TIME**
-  **ILLUMINATE**
-  **CONNECT**
-  **FEEL WELL**
-  **ACCESSORIES**

Compact catalogue

2019 | 2020

Compact catalogue 2019-2020

	SAVE TIME	Digital time switches	Digital time switches week	Page 6 - 9
			Digital time switches astro	Page 10 - 11
			Digital time switches year	Page 12 - 13
		Masterclocks	DIN-rail mounting	Page 14 - 15
			19"-housing	Page 16 - 17
		Analogue time switches		Page 18 - 19
		Hour counters		Page 20 - 21
		Countdown timers / Relays		Page 22 - 23
	ILLUMINATE	Staircase lighting timers		Page 22 - 23
		Twilight switches		Page 24 - 25
		Dimmers		Page 26 - 29
	CONNECT	KNX Universal interfaces and time switches		Page 30 - 31
		KNX Outdoor sensors		Page 32 - 33
		KNX Room temperature- / room climate controls		Page 34 - 35
		KNX CO sensor		Page 36 - 37
		KNX Dimmers		Page 38 - 39
		KNX RF S-mode devices		Page 40 - 41
		KNX RF compatible devices		Page 42 - 51
		Modbus sensors		Page 52- 53
	FEEL WELL	Air quality sensors		Page 54 - 55
	ACCESSORIES	Accessories		Page 54 - 57

1929 till this day ... and in the future.

The company was founded in 1929 by Hugo Müller. Within a very short time the innovative company had become well known in the locality as a manufacturer of high quality loudspeakers, headphones, radio assembly kits, radios and, some time later, radio time switches.

For Hugo Müller, the change to electronics occurred in 1978, when 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, time switches continue to be an important element of the product range, albeit with features which are subject to continuous improvement. This characteristic reflects the company's objective for the future. The consistent optimization and expansion of the standard product range, including tailor-made products to meet individual customers' specific needs.

Our product solution range includes timing devices such as analog and digital timers, master clocks, hour meters, count down timers and light control devices such as analog and digital twilight switches, astronomical time switches, staircase timers, dimmers and also devices for climate control and building automation (KNX).

OEM

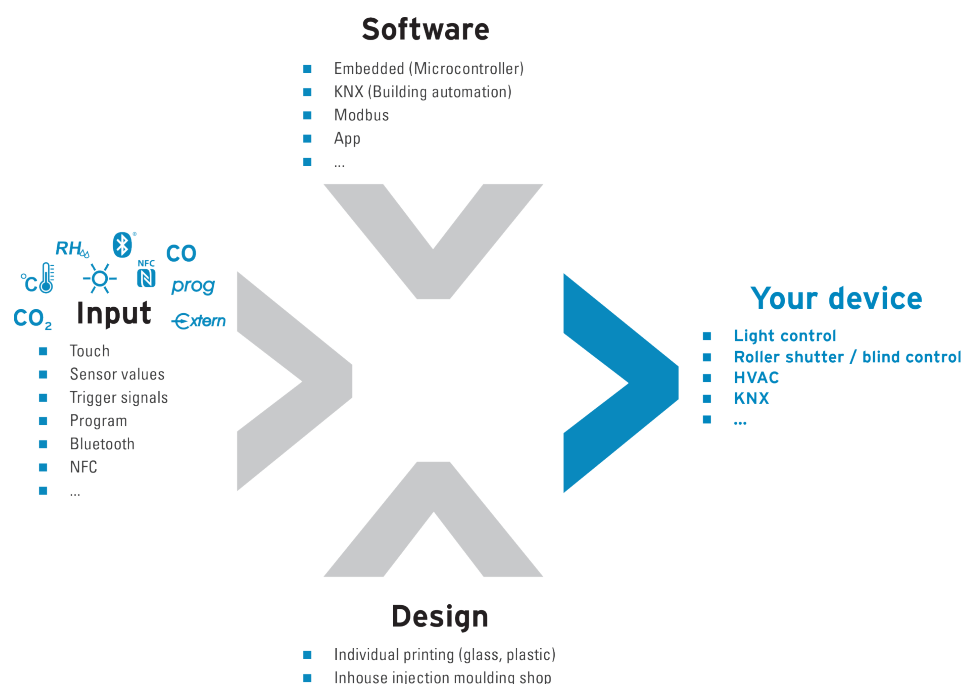
Hugo Müller is your partner whenever you need a customized electro-technical product. We manage the transition from your wishes and vague specifications to well-designed and sellable products.

Hard- and software development, prototyping and serial production are carried-out in our premises. This allows us to advise and support you through the complete development process. Our experts in development and production are efficiently realizing your ideas according to relevant laws, standards and directives. The products are produced with latest technologies and tested with self-made inspection devices. The quality of your product has highest priority.

All products are manufactured in Schwenningen - we offer quality „**Made in Germany**“.

Hugo Müller produces your control and switching devices for time, light, temperature or air quality applications.

For each single problem we'll find a solution. Please contact us, we're happy to talk to you.



Digital time switches week for DIN-rail mounting

week^{prog}

- Daily and weekly program
- Minimum interval 1 min.
- Permanent by date
- Manual permanent mode
- Manual override
- Variable block programming
- Automatic daylight saving time (Europe, USA, Australia or none)
- Elapsed time and pulse counter
- Pulse function
- Security by PIN-Code
- Text based menu
- Data security through E²PROM



- DIN-rail mounting 17.5 mm
- 1 channel / 46 memory locations
- Switching capacity 16 A
- 6 years battery-reserve
- Programmable with PC and programming interface
- Removable programming module

müller	paladin by müller	Channels
SC 08.11 pro	172 110 pro	1
✓ Housing colour		



- DIN-rail mounting 35 mm
- 1-2 channels / 56 memory locations
- Switching capacity 16 A
- 10 years battery-reserve / exchangeable battery
- Directly programmable with Smartphone (NFC)
- Ideal for modern lamps (LED)
- Simple yearly program
- Illuminated display / Display of the switching program

easy

müller	paladin by müller	Channels
SC 18.10 easy	170 410 easy	1
SC 18.20 easy	170 420 easy	2
✓ Housing colour		



- DIN-rail mounting 35 mm
- 1-2 channels / 100 memory locations
- Switching capacity 16 A
- 10 years battery-reserve / exchangeable battery
- Directly programmable with Smartphone (Bluetooth)
- Ideal for modern lamps (LED)
- Zero-cross switching (up to 600 W LED load)
- Simple yearly program
- Random function / Cycle function
- Illuminated display / Display of the switching program

pro4

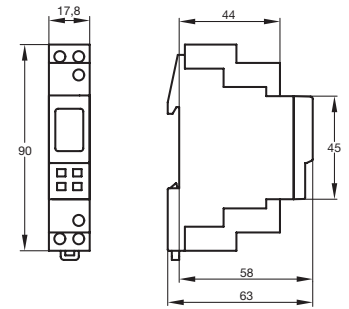
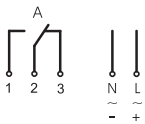
müller	paladin by müller	Channels
SC 28.11 pro4	172 411 pro4	1
SC 28.21 pro4	172 421 pro4	2
✓ Housing colour		



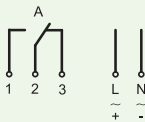
- DIN-rail mounting 70 mm
- 1-4 channels / 300 memory locations
- Switching capacity 16 A
- 10 years battery-reserve
- Programmable with PC and Smartphone (see accessories)
- Data-key function
- External input / Cycle function
- DCF / GPS function
- Up to 300 permanent switchings by date
- Illuminated display

müller	paladin by müller	Channels
SC 88.10 pro	179 410 pro	1
SC 88.20 pro	179 420 pro	2
SC 88.30 pro	179 430 pro	3
SC 88.40 pro	179 440 pro	4
✓ Housing colour		

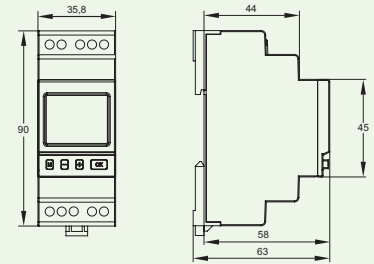
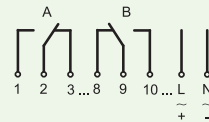
week^{prog}



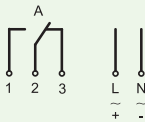
1 channel



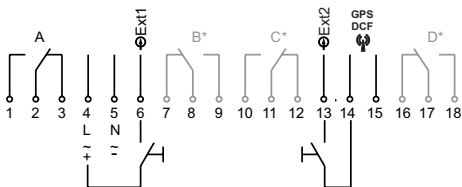
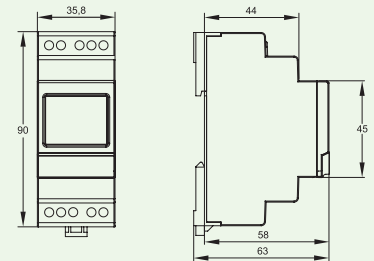
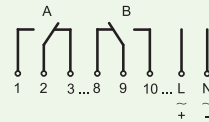
2 channels



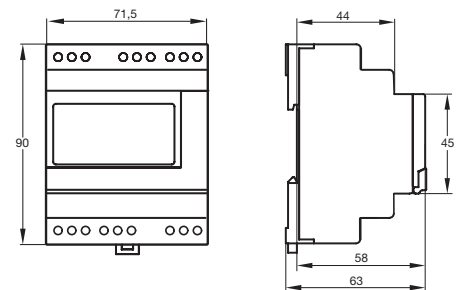
1 channel



2 channels



*depends on version



Digital time switches week - panel, wall and flush mounting

week^{prog}

- Daily and weekly program
- Minimum interval 1 min.
- Permanent by date / holiday function
- Manual permanent mode
- Manual override
- Variable block programming
- Automatic daylight saving time (Europe, USA, Australia or none)
- Elapsed time and pulse counter
- Pulse function
- Security by PIN-Code
- Text based menu
- Data security through E²PROM



- Switchboard panel mounting
- 1 channel / 46 memory locations
- Switching capacity 8 A
- 4 years battery-reserve
- External input

müller	Channels
SC 24.10 pro	1
✓ Housing colour	



- Switchboard panel and wall mounting
- 1-2 channels / 46 memory locations
- Switching capacity 16 A
- 10 years battery-reserve
- Programmable with PC and Smartphone (see accessories)
- Data-key function
- Illuminated display

müller	Channels
SC 44.11 pro	1
SC 44.21 pro	2
✓ Housing colour	



- Flush-mounted fitting
- 1 channel / 56 memory locations
- Switching capacity 10 A
- 10 years battery-reserve
- Directly programmable with Smartphone (NFC)
- Ideal for modern lamps (LED)
- Simple yearly program
- Illuminated display / Display of the switching program
- Can be used with many common switch programs

paladin by müller	Channels
173 110 easy	1
✓ Housing colour	



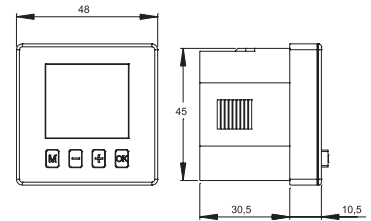
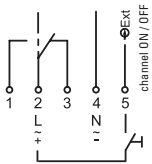
- Flush-mounted fitting
- Universal control unit
 - Blinds control
 - Time switch (week or astro)
- 2 channels / 100 memory locations
- Switching capacity 6 A
- 10 years battery-reserve
- Directly programmable with Smartphone (Bluetooth)
- Range of 50m

müller	Channels
EA 36.22 pro4	2
✓ Housing colour	

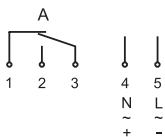
easy

pro4

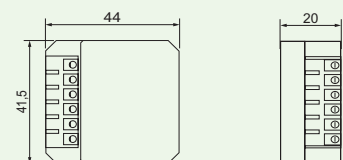
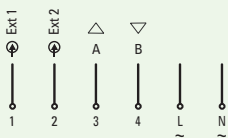
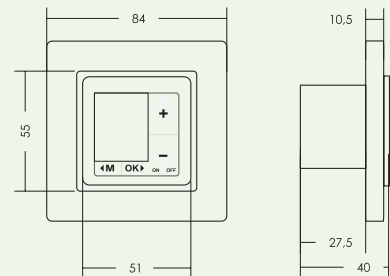
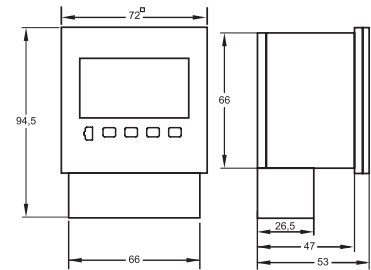
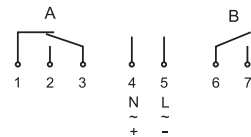
week^{prog}



1 channel



2 channels



Digital time switches astro

- Astro program: Automatic switching according to the position of the sun
- Economical night program
- Minimum interval 1 min.
- Manual permanent mode
- Manual override
- Automatic sorting of switching times
- Automatic daylight saving time (Europe, USA, Australia or none)
- Security by PIN-Code
- Ideal for modern lamps (LED, CFL, etc.)
- Data security through E²PROM



- Digital time switch astro with weekly program
- DIN-rail mounting 17.5 mm
- 1 channel / 60 memory locations
- Switching capacity 16 A
- 6 years battery-reserve
- Programmable with PC and programming interface
- Removable programming module
- Extra switching times (weekly time function)

müller	paladin by müller	Channels
SC 08.13 pro	172 113 pro	1
✓ Housing colour		



- Digital time switch astro with daily program
- DIN-rail mounting 35 mm
- 1 channel / 4 memory locations
- Switching capacity 16 A
- 10 years battery-reserve / exchangeable battery
- Directly programmable with smartphone (NFC)
- Illuminated display
- Display of the switching program

easy

müller	paladin by müller	Channels
SC 18.13 easy	170 413 easy	1
✓ Housing colour		



- Digital time switch astro with weekly program
- DIN-rail mounting 35 mm
- 1-2 channels / 56 memory locations
- Switching capacity 16 A
- 10 years battery-reserve / exchangeable battery
- Directly programmable with smartphone (NFC)
- Extra switching times (weekly timer function)
- Illuminated display / Display of the switching program

easy

müller	paladin by müller	Channels
SC 18.14 easy	170 414 easy	1
SC 18.24 easy	170 424 easy	2
✓ Housing colour		



- Digital time switch astro with weekly program
- DIN-rail mounting 35 mm
- 1-2 channels / 100 memory locations
- Switching capacity 16 A
- 10 years battery-reserve / exchangeable battery
- Directly programmable with Smartphone (Bluetooth)
- Zero-cross switching (up to 600 W LED load)
- Extra switching times (weekly timer function)
- Illuminated display / Display of the switching program

pro4

müller	paladin by müller	Channels
SC 28.13 pro4	172 413 pro4	1
SC 28.23 pro4	172 423 pro4	2
✓ Housing colour		

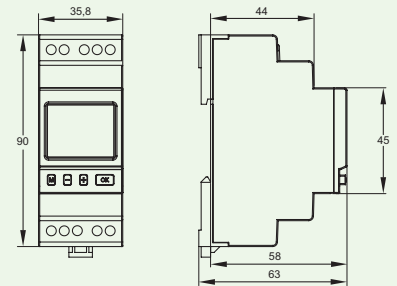
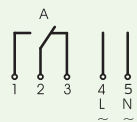
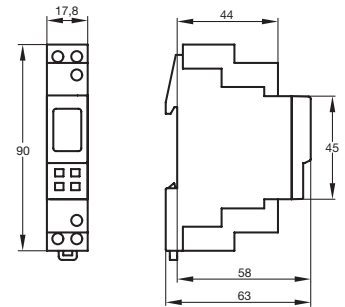
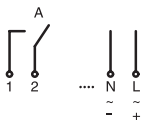


- Digital time switch astro with weekly program
- Flush-mounted fitting
- 1 channel / 56 memory locations
- Switching capacity 10 A
- 10 years battery-reserve
- Directly programmable with Smartphone (NFC)
- Extra switching times (weekly timer function)
- Illuminated display / Display of the switching program
- Can be used with many common switch programs

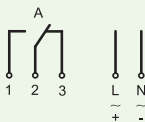
easy

paladin by müller	Channels
173 113 easy	1
✓ Housing colour	

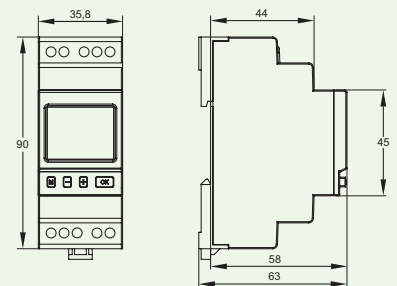
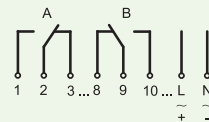
astr-o^{prog}



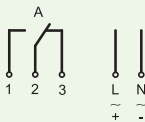
1 channel



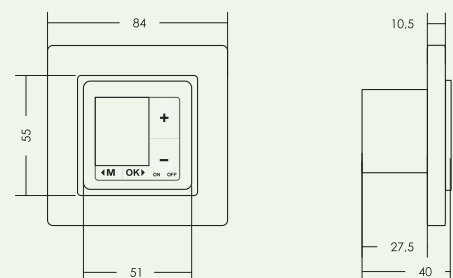
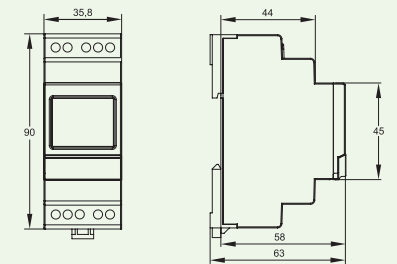
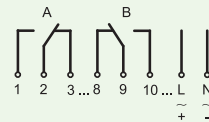
2 channels



1 channel



2 channels



Digital time switches year

year^{prog}

- Daily, weekly and yearly program
- Yearly program with Easter function, Weekday function and extra-switching time function
- Minimum interval 1 min.
- Permanent by date / holiday function
- Manual permanent mode
- Manual override
- Variable block programming
- Automatic daylight saving time (Europe, USA, Australia or none)
- Elapsed time and pulse counter
- Pulse function
- Security by PIN-Code
- Text based menu
- Illuminated display
- Data security through E²PROM



- DIN-rail mounting 35 mm
- 1 channel / 300 memory locations
- Switching capacity 16 A
- 10 years battery-reserve
- Programmable with PC and Smartphone (see accessories)
- Data-key function
- Cycle function
- DCF / GPS function
- Up to 300 permanent switchings by date

müller	paladin by müller	Channels
SC 28.19 pro	172 419 pro	1
✓ Housing colour		



- DIN-rail mounting 70 mm
- 1-4 channels / 300 memory locations
- Switching capacity 16 A
- 10 years battery-reserve
- Programmable with PC and Smartphone (see accessories)
- Data-key function
- External input / Cycle function
- DCF / GPS function
- Up to 300 permanent switchings by date

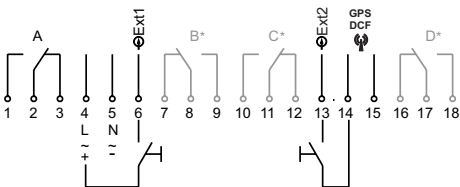
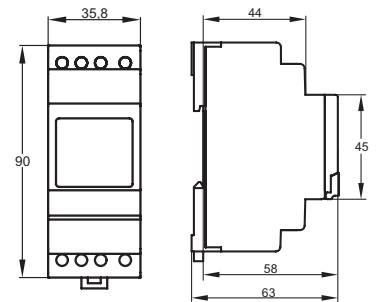
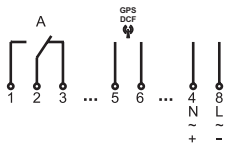
müller	paladin by müller	Channels
SC 98.10 pro	179 610 pro	1
SC 98.20 pro	179 620 pro	2
SC 98.30 pro	179 630 pro	3
SC 98.40 pro	179 640 pro	4
✓ Housing colour		



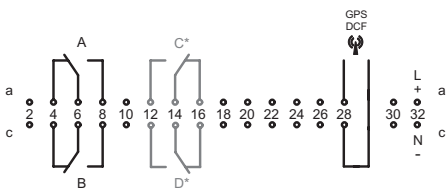
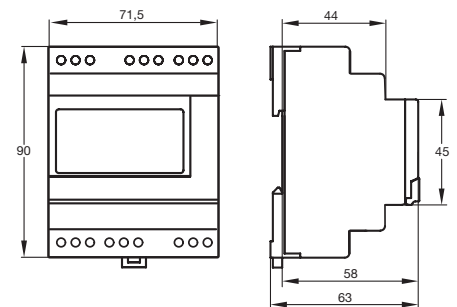
- 19"-housing
- 2 or 4 channels / 300 memory locations
- Switching capacity 5 A
- 10 years battery-reserve
- Programmable with PC and Smartphone (see accessories)
- Data-key function
- Cycle function
- DCF / GPS function
- Up to 300 permanent switchings by date

müller	Channels
SC 93.20 pro	2
SC 93.40 pro	4
✓ Housing colour	

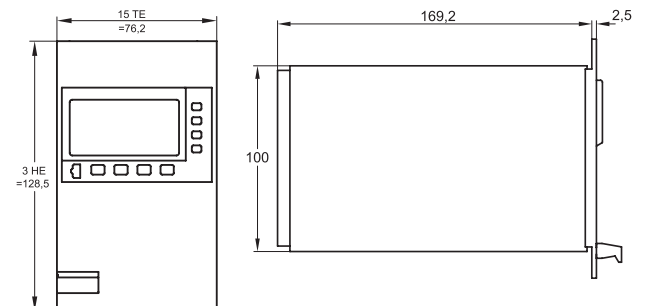
year^{prog}



*depends on version



*depends on the version



Masterclocks for DIN-rail mounting



- Short-circuit proof slave-clock-line
- Automatic adjustment of slave clocks
- Automatic time correction of slave clocks after supply voltage interruption
- Automatic daylight saving time (Europe, USA, Australia or none) with 60 additional pulses or pulse suppression for 1 hour of the slave-clock-line
- Monitoring of slave-clock-line and malfunction indicator in display
- Security by PIN-Code
- Illuminated display
- DCF/GPS function
- 10 years battery-reserve (time switch)
- Data security through E²PROM



- DIN-rail mounting 70 mm
- 1 slave-clock line for approx. 5 slave clocks (24 VDC, 35 mA, pole changing pulse)

müller	Slave clock lines	Channels
SC 58.07 pro	1	–
✓ Housing colour		



- DIN-rail mounting 70 mm
- 1 slave-clock line for slave clocks up to 250 V~
- A pulse amplifier is not needed

müller	Slave clock lines	Channels
SC 58.08 pro	1	–
✓ Housing colour		

week^{prog}



- DIN-rail mounting 70 mm
- 1 slave-clock line for approx. 20 slave clocks (24 VDC, 150 mA, pole changing pulse)
- **Time Switch:** Weekly timer / 1 channel [similar to SC 88.10 pro]

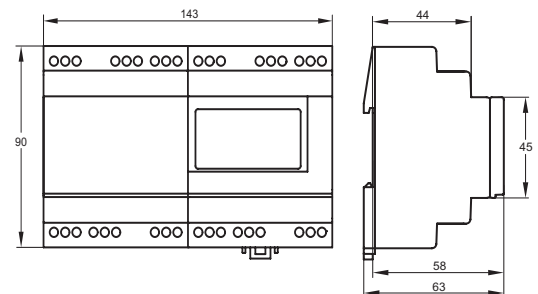
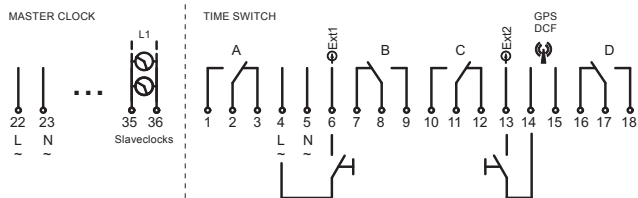
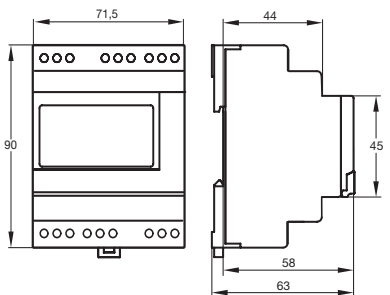
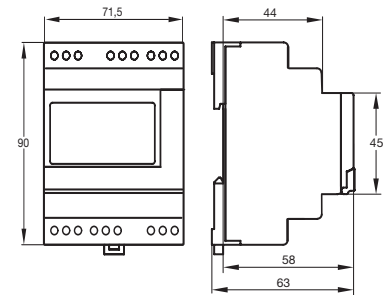
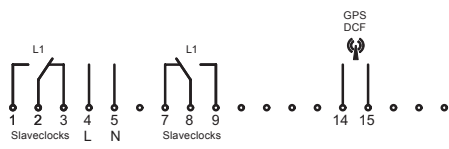
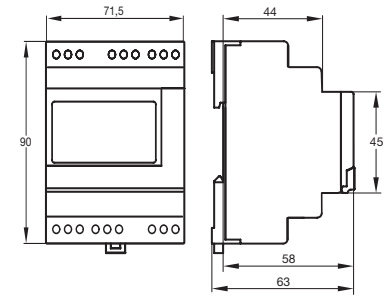
müller	Slave clock lines	Channels
SC 58.17 pro	1	1
✓ Housing colour		

year^{prog}



- DIN-rail mounting 140 mm
- 1 slave-clock line for approx. 40 slave clocks (24 VDC, 300 mA, pole changing pulse)
- **Time Switch:** Yearly timer / 4 channels [similar to SC 98.40 pro]

müller	Slave clock lines	Channels
SC 98.47 pro	1	4
✓ Housing colour		



Masterclocks pluggable into 19"-housing



- Short-circuit proof slave-clock-line
- Automatic adjustment of slave clocks
- Automatic time correction of slave clocks after supply voltage interruption
- Automatic daylight saving time (Europe, USA, Australia or none) with 60 additional pulses or pulse suppression for 1 hour of the slave clock-line
- Monitoring of the slave-clock-line and malfunction indicator in display
- Security by PIN-Code
- Illuminated display
- DCF / GPS function
- 10 years battery-reserve (time switch)
- Data security through E²PROM



- 15 TE / 3 HE [128.5 x 76.2 mm]
- 2 slave-clock output-lines for approx. 200 slave clocks (24 VDC, 1,5 A, pole changing pulse)
- Output-line 2 adjustable to a pulse repetition rate of one per sec.
- Ext. 24 VDC power supply unit required / power supply unit for slave clocks not included
- **Time Switch:** Weekly timer / 1 channel
[Functions similar to SC 88.10 pro]

müller	Slave clock lines	Channels
SC 53.17 pro	2	1
✓ Housing colour		



- 15 TE / 3 HE [128.5 x 76.2 mm]
- 1 slave-clock output-line for approx. 200 slave clocks (24 VDC, 1,5 A, pole changing pulse)
- Ext. 24 VDC power supply unit required / power supply unit for slave clocks not included
- **Time Switch:** Yearly timer / 4 channels
[Functions similar to SC 98.40 pro]

müller	Slave clock lines	Channels
SC 93.47 pro	1	4
✓ Housing colour		



- 15 TE / 3 HE [128.5 x 76.2 mm]
- Accessory for 19"-master clocks
- Power supply 19"-housing
- Power supply of slave clocks
- Output current 1.5 A

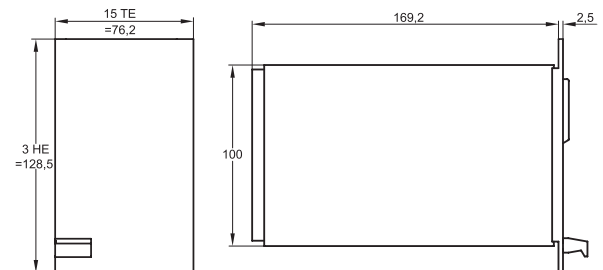
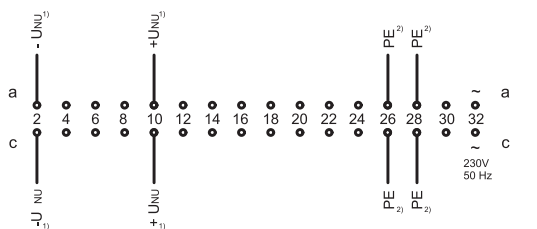
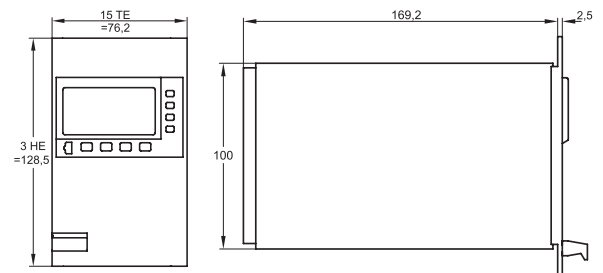
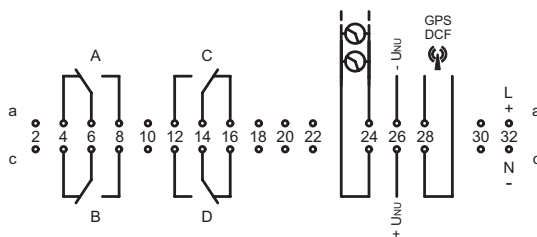
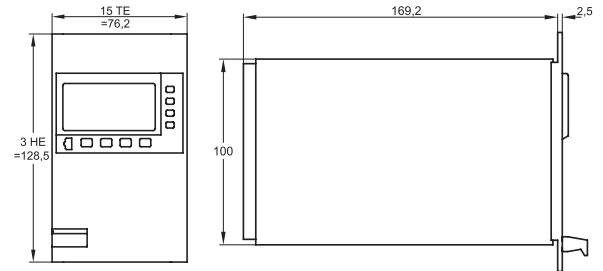
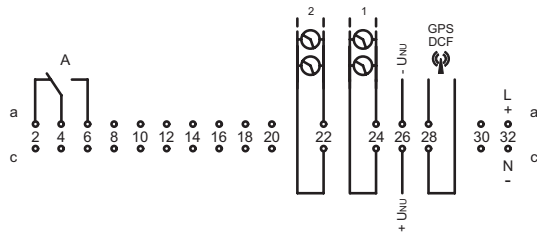
müller	power back-up	Output voltage
NT 73.24 pro	without	24 V DC
NT 73.64 pro	with	24 V DC
✓ Housing colour		



- 84 TE / 2 HE [483 x 86 x 203 mm]
- 1 slave-clock output-line for approx. 200 slave clocks (24 VDC, 1,5 A, pole changing pulse)
- No extra power supply unit needed / integrated 24 VDC power supply unit
- Frontswitch (potential-free) can be used to control an arbitrary application
- **Time Switch:** Yearly timer / 4 channels
[Functions similar to SC 98.40 pro]

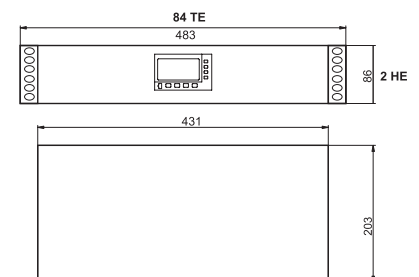
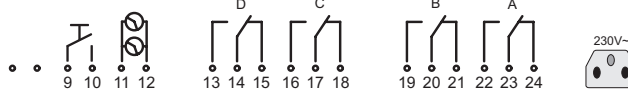
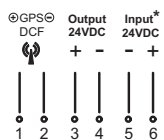
müller	Slave clock output lines	Channels
SC 95.47 pro	1	4
✓ Housing colour		

masterclocks



¹⁾ UNU see type sign

²⁾ NT 73.24 pro



Analogue time switches

analogue

- Daily or weekly program
- Manual override switch [Permanent ON / Permanent OFF / Automatic]
- Timers with power back-up: Power reserve approx. 100 h
- Captive setting keys
- Easy to read switching program



- DIN-rail mounting 17.5 mm
- Daily program
- Switching capacity 16 A
- Minimum switching interval 15 min.

paladin by müller	müller	Version
111 120	VS 10.18	Day without reserve
114 120	VS 14.18	Day with reserve
✓ Housing colour	✓ Setting key colour	



- DIN-rail mounting 35 mm and wall mounting
- Daily program
- Switching capacity 16 A
- Minimum switching interval 30 min.
- Minute pointer

paladin by müller	müller	Version
151 220	VS 20.18	Day without reserve
154 220	VS 24.18	Day with reserve
✓ Housing colour	✓ Setting key colour	



- DIN-rail mounting 52.5 mm and wall mounting
- Daily or weekly program
- Switching capacity 16 A
- Minimum switching interval day dial 30 min.
- Minimum switching interval week dial 2 h.
- Analogue display [with hands]

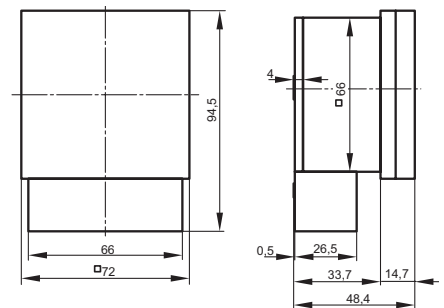
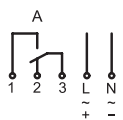
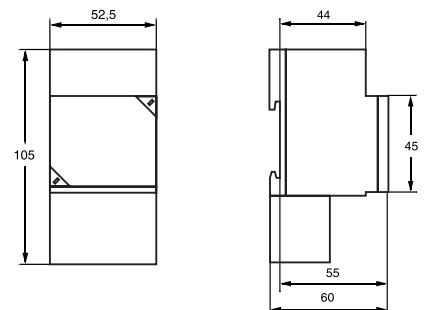
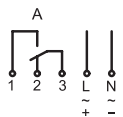
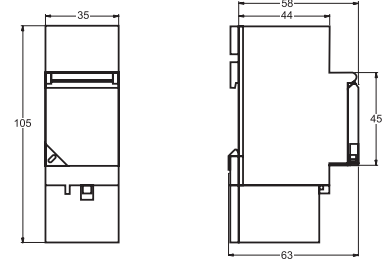
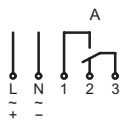
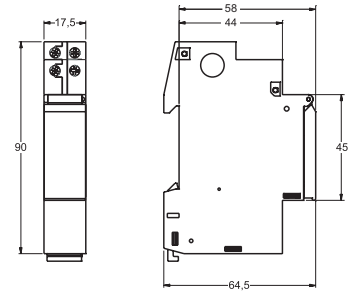
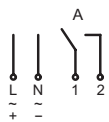
paladin by müller	müller	Version
131 120	VS 30.18	Day without reserve
134 120	VS 34.18	Day with reserve
131 420	VS 30.38	Week without reserve
134 420	VS 34.38	Week with reserve
✓ Housing colour	✓ Setting key colour	



- Switchboard panel and wall mounting
- Daily or weekly program
- Switching capacity 16 A
- Minimum switching interval day dial 15 min.
- Minimum switching interval week dial 1 h.
- Analogue display [with hands]

paladin by müller	müller	Version
161 120	FS 60.18	Day without reserve
164 120	FS 64.18	Day with reserve
161 420	FS 60.38	Week without reserve
164 420	FS 64.38	Week with reserve
✓ Housing colour	✓ Setting key colour	

analogue



Hour counters

Hour counters for panel mounting

- Alternating Current or Direct Current versions
- With universal connections
- Touch proof connections according to VBG 4

Hour counters for DIN-rail mounting

- Alternating Current or Direct Current versions
- Screw terminals (pull-up type)
- Touch proof connections according to VBG 4



- Panel mounting
- Integral locking spring
- Mounting aperture: 50x25 mm
- Counter capacity 99,999 h.
- With operation indicator
- Type of protection front IP 65

müller	Version
BW 30.18	Alternating current
BG 30.18	Direct current
✓ Housing colour	



- Panel mounting
- Retaining Clip in delivery included
- Mounting aperture square: 45x45 mm
- Mounting aperture circle: ø 50,5 mm
- Counter capacity BW 99,999 h.
- Counter capacity BG 999,999 h.
- With operation indicator
- Type of protection front IP 50 (with ring seal 100.003: IP 54)

müller	Version
BG 40.17	Direct current
BW 40.18	Alternating current
BG 40.27	Direct current, with trim 55x55 mm
BW 40.28	Alternating current, with trim 55x55 mm
BG 40.37	Direct current, with mask 72x72 mm
BW 40.38	Alternating current, with mask 72x72 mm
✓ Housing colour	



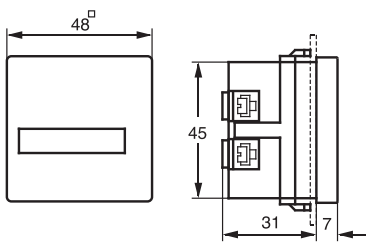
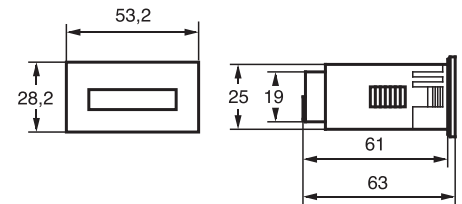
- DIN-rail mounting 17,5 mm
- Flush mount dimensions 45x17,5 mm
- Slim format
- No terminal cover
- Counter capacity 99,999 h.
- With operation indicator
- Type of protection IP 50

müller	paladin by müller	Version
BW 70.18	✓ 311 170	Alternating current
BG 70.18	✓ 312 170	Direct current
✓ Housing colour		

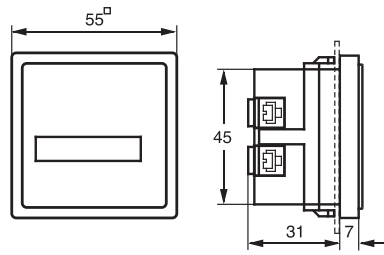


- DIN-rail mounting 35 mm
- Flush mount dimensions 45x35 mm
- Bx 70.29: without terminal cover
- Bx 70.89: with terminal cover
- One Version for 50 and 60 Hz
- Counter capacity 99,999 h.
- With operation indicator (flashing LED)
- Type of protection IP 50

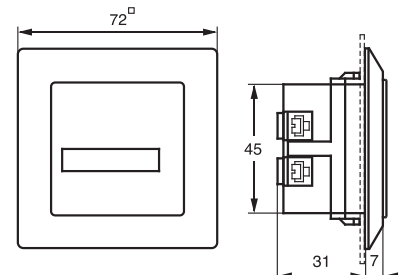
müller	paladin by müller	Version
BW 70.29	✓ 311 270	Alternating current
BG 70.29	✓ 312 270	Direct current
BW 70.89*	✓ 311 280*	Alternating current
BG 70.89*	✓ 312 280*	Direct current
✓ Housing colour		* with terminal cover



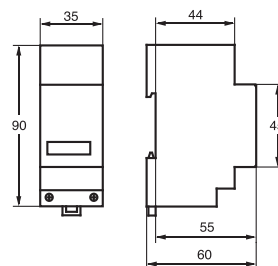
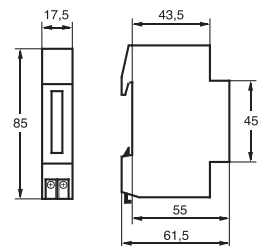
BW 40.18 / BG 40.17



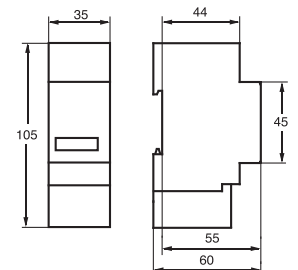
BW 40.28 / BG 40.27



BW 40.38 / BG 40.37



BW 70.29 / BG 70.29

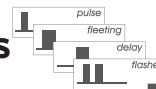


BW 70.89 / BG 70.89

Countdown timers

- 1 channel / change-over relay
- Minimum interval 1 sec.
- Input for start and stop (230 VAC)
- Optical and acoustic signal on completion of time

Digital multifunctional relays



- 1 channel / change-over relay
- Minimum interval 0.1 sec.
- External input
- 20 different functions
- Extended range of functions
- Data security through E²PROM



- Timer
- Panel mounting
- Switching capacity 8 A
- Max. time TC 14 9:59:59 h:mm:ss
- Max. time TC 24 99:59:59 hh:mm:ss
- Repeatability accuracy 100%
- Different trims available (see accessories)

■ müller	Range
TC 14.21	9:59:59 h:mm:ss
TC 24.21	99:59:59 hh:mm:ss
✓ Housing colour	



- Digital multifunctional relay
- DIN-rail mounting 35 mm
- Switching capacity 16 A
- Time range 000:00:00:1 to 999:59:59:9 hhh:mm:ss:1/10s

■ müller	Range
MR 28.10 pro	999:59:59:9 hhh:mm:ss:1/10s
✓ Housing colour	

Staircase lighting timers

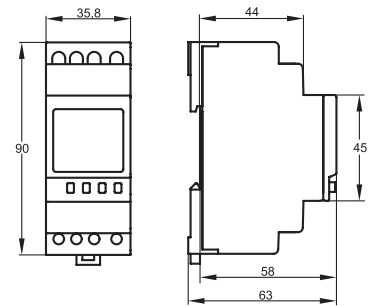
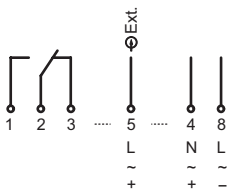
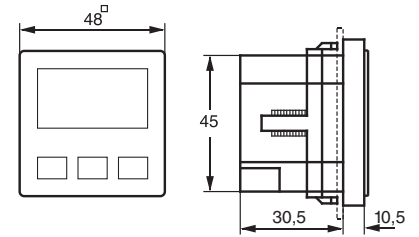
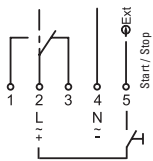
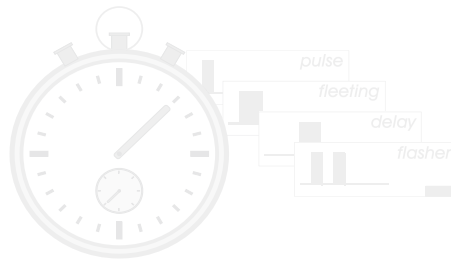


- Manual override for timed or permanent lighting
- 3- or 4-conductor cabling
- Resettable
- Time delay: 284 210: 30 sec. to 10 min.
284 250: 1 min. to 12 min.
- Glow lamp load: up to 100 mA
- 284 250: Advanced warning function included
- Zero-cross switching for relay-saving switching



- Staircase lighting timer
- Electronic
- DIN-rail mounting 17.5 mm
- Switching capacity 16 A
- Zero-cross switching

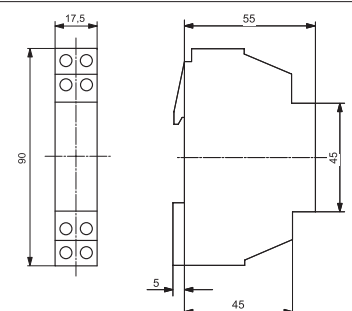
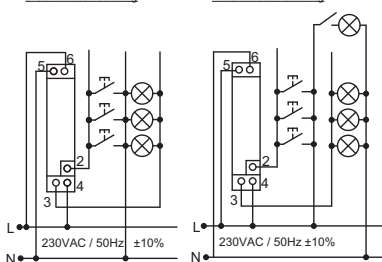
■ paladin by müller	Special function	Time delay
284 210		30 sec. to 10 min.
284 250	Advance warning	1 min. to 12 min.
✓ Housing colour		



staircase

3-conductor cabling

4-conductor cabling



Twilight switches

Digital twilight switches

- Suitable for modern lamps (LED, CFL, etc.)
- Adjustable lux threshold
- Adjustable delay times
- Adjustable light-hysteresis
- With weekly timer function (e.g. for energy saving)

Analogue twilight switches

- Suitable for modern lamps (LED, CFL, etc.)
- Adjustable lux threshold
- Data security through E²PROM



- Digital twilight switch
- DIN-rail mounting 35 mm
- Switching capacity 16 A
- Adjustable lux threshold 1–50,000 Lux
- Twilight switch with daily program
- Permanent switchings by date

paladin by müller	Channels
972 413 pro	1
Housing colour	



- Digital twilight switch
- DIN-rail mounting 35 mm
- Switching capacity 16 A
- Adjustable lux threshold 1–50,000 Lux
- Twilight switch with daily, weekly and yearly program
- Permanent switchings by date
- Programmable with PC and and Smartphone (see accessories)
- External input

paladin by müller	Channels
972 414 pro	1
Housing colour	



- Analogue twilight switch
- Wall mounting
- Switching capacity 16 A
- Adjustable lux threshold 3–300 Lux

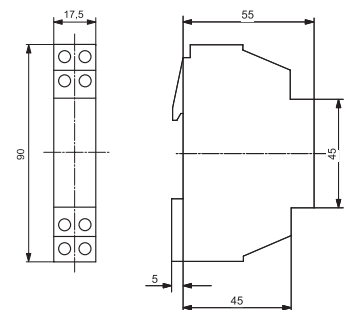
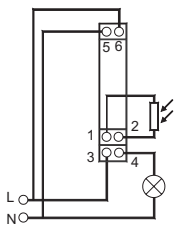
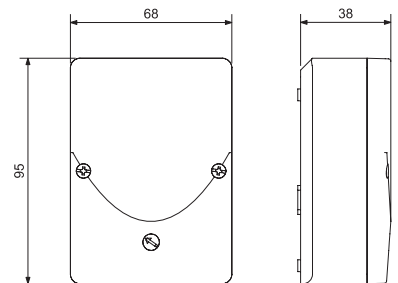
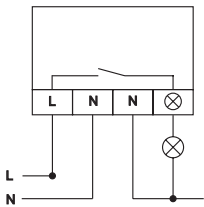
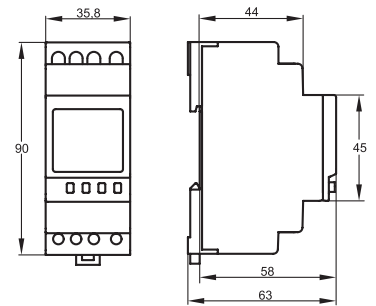
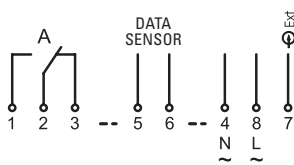
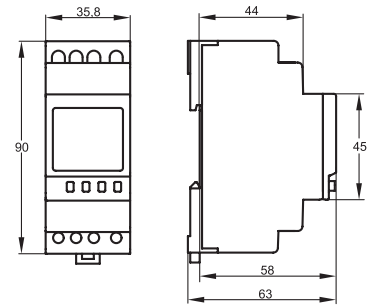
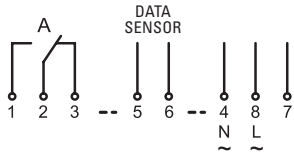
paladin by müller	Channels
922 000	1
Housing colour	



- Analogue twilight switch
- DIN-rail mounting 17.5 mm
- Switching capacity 16 A
- Adjustable lux threshold 1–1,000 Lux

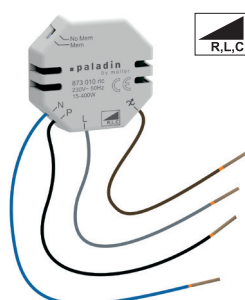
paladin by müller	Sensor	Channels
923 500	sensor for wall mounting	1
923 501	sensor for mounting within housing	1
Housing colour		

lux



Dimmers for flush-mounted fitting

- For pushbuttons
- Installation in standard boxes behind a pushbutton possible
- Small design (13 mm)
- Easy to connect
- Memory function
- Protection against overload, short circuit and overheat



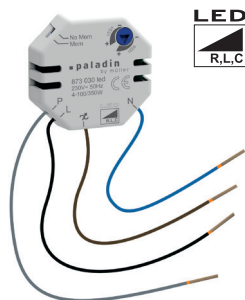
- RLC Dimmer
- With litz wires and ferrules
- Load 15–400 W
- Suitable for leading or trailing edge

paladin
by müller

Suitable for

873 010 rlc RLC

Housing colour



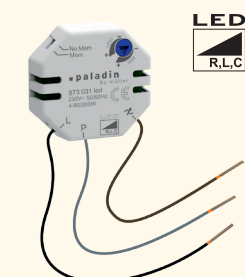
- LED Dimmer
- With litz wires and ferrules
- Load leading edge 4–100 W
- Load trailing edge 4–350 W

paladin
by müller

Suitable for

873 030 led LED

Housing colour



- LED Dimmer without neutral wire
- With litz wires and ferrules
- Load leading edge 4–80 W
- Load trailing edge 4–200 W
- Compensator included in delivery

paladin
by müller

Suitable for

873 031 led LED

Housing colour



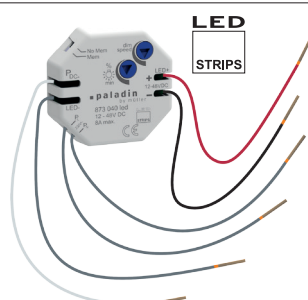
- LED Dimmer
- With screw terminals
- Load leading edge 4–100 W
- Load trailing edge 4–350 W

paladin
by müller

Suitable for

872 032 led LED

Housing colour



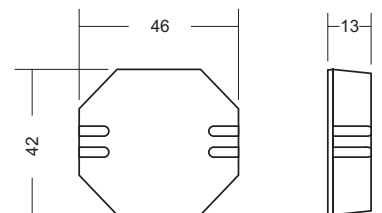
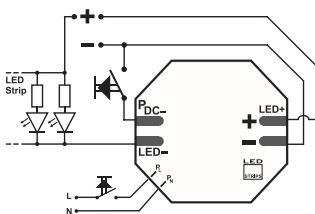
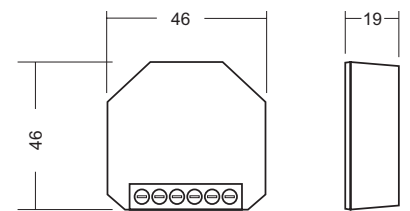
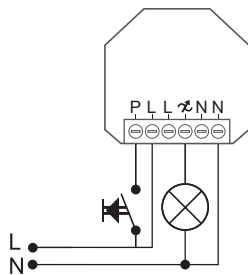
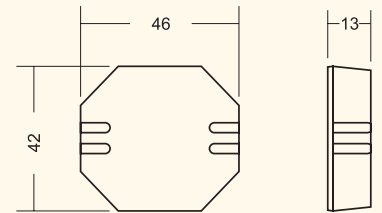
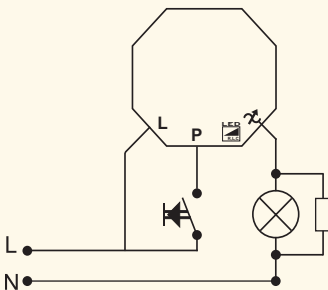
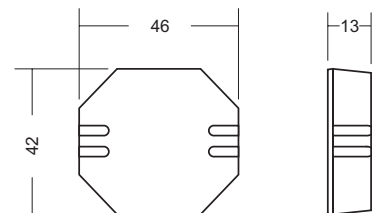
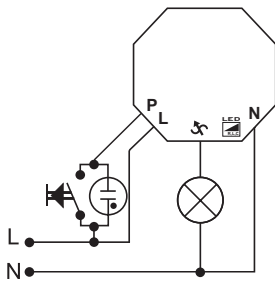
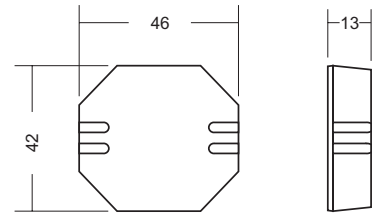
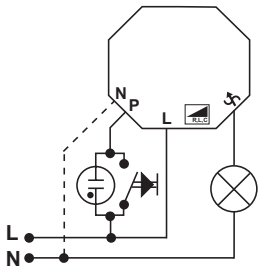
- LED Strips Dimmer
- With litz wires and ferrules
- Pulse Width Modulation technology (PWM) 12–48 V DC
- LED strips up to 8 A
- Amplifier available (see accessories)

paladin
by müller

Suitable for

879 040 led LED Strips

Housing colour



Dimmers for DIN-rail mounting

- Universal dimmer or TRIAC Dimmer
- Master-Slave-function: With the inclusion of further dimmers higher loads can be controlled with one single pushbutton connection (Master)
- Memory function
- Protection against overload, short circuit and overheat



- LED Dimmer / Universal Dimmer
- DIN-rail mounting 17.5 mm
- LED-Load leading edge 4–100 W
- LED-Load trailing edge 4–350 W

paladin
by müller

Suitable for

872 110 led

RLC, LED & CFL

✓ Housing colour



- TRIAC Dimmer for dimmable LED lamp
- DIN-rail mounting 87.5 mm
- Up to 1,200 W peak load per dimmer
- For leading edge
- Further functions for a flexible usage: Potentiometer (internal or external), pushbutton operation, 0–10 V signal

paladin
by müller

Suitable for

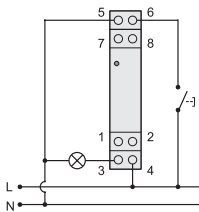
879 410 led

LED

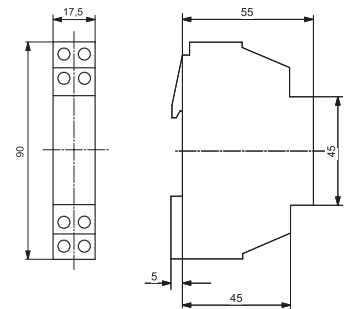
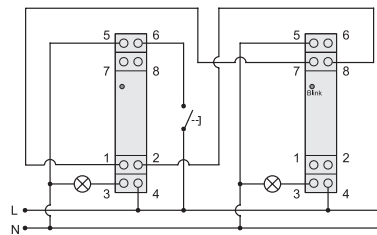
✓ Housing colour



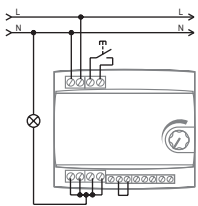
Standard



Master-Slave

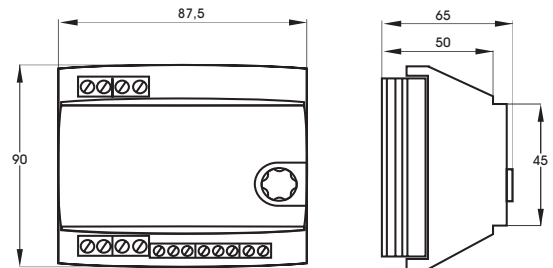


Standard



Further installation options

- Operation with pushbutton, includes control of slaves (Master-Slave installation)
- Operation with potentiometer (internal / external)
- Operation with 0–10 V signal
- 3-phase-installation controlled by potentiometer and extension with slaves



KNX-TP Universal interfaces for flush-mounted fitting



- ETS with many advantages:
 - Simple programming and operation
 - Various adjustment and control options
 - Logical, simple and clearly structured software
- Compact housing



- 3 binary inputs (configurable)
- 2 binary outputs (LED drivers / open-collector)
- Integrated room temperature control
- External temperature sensor available (see accessories)

müller	Inputs	Outputs
EA 36.32 knx	3	2
✓ Housing colour		

KNX-TP Time switches for DIN-rail mounting



- ETS with many advantages:
 - Simple programming and operation
 - Various adjustment and control options
 - Logical, simple and clearly structured software
- DCF reception via optional DCF receiver



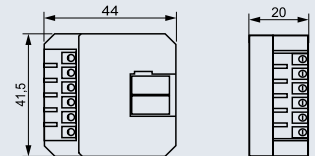
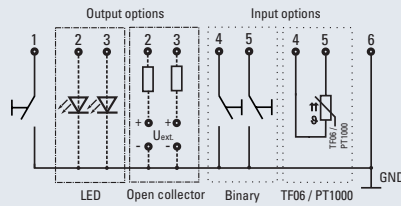
- Digital time switch year
- DIN-rail mounting 70 mm
- 4 channels / 300 memory locations
- Daily, weekly and yearly program
- Programmable with PC and Smartphone (see accessories)
- Data-key function (see accessories)

müller	Channels
SC 98.40 knx	4
✓ Housing colour	



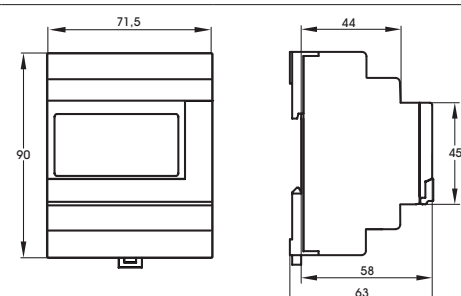
Following functions and data available via KNX bus:

- Binary inputs / push-button interface (switching, dimming, temperature probe/-limiter, etc.)
- Binary outputs
- Temperature control



Following functions and data available via KNX bus:

- Time dependent switching (switching, valuator, scene control, HVAC,...)
- Logic gates
- Time standard



KNX-TP Outdoor sensors for wall mounting



- Sensors suitable for outdoor use (IP 54)
- Ideal for use as twilight switches
- Wall mounting



- Light-/brightness sensor
- Lighting control
- Daily time switch

■ müller	Sensor
LS 20.00 knx	Lux
✓ Housing colour	



- Light and temperature sensor
- Lighting and temperature control
- Daily time switch

■ müller	Sensor
LS 30.00 knx	Lux, T
✓ Housing colour	



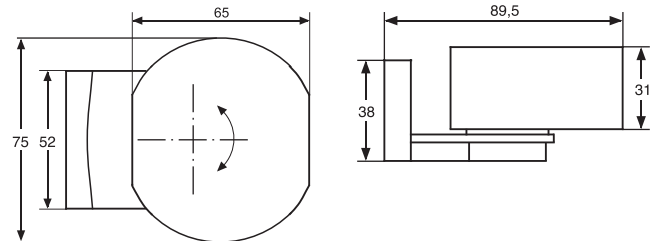
- GPS Sensorstation
- Lighting and temperature control
- Daily and astro time switch
- Provides time base to KNX bus

■ müller	Sensor
FU 40.00 knx	GPS, Lux, T
✓ Housing colour	



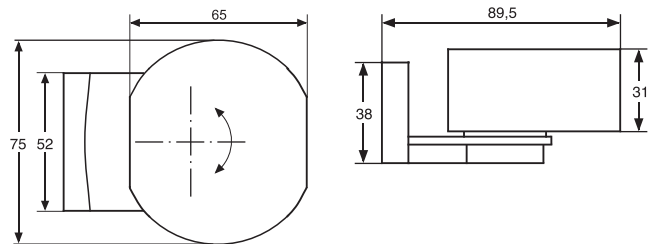
Following functions and data available via KNX bus:

- Time switch (standard)
- Light control



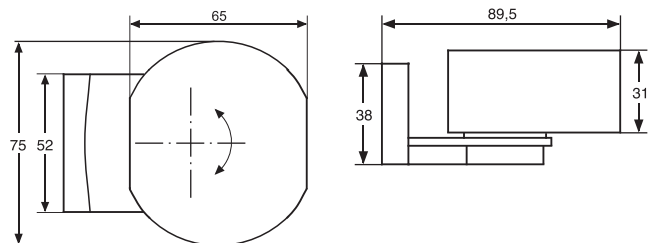
Following functions and data available via KNX bus:

- Time switch (standard)
- Light control
- Temperature control



Following functions and data available via KNX bus:

- Time switch (standard)
- Time switch (astro)
- Light control
- Temperature control
- GPS coordinates and sunlight-data
- Time standard



KNX Room temperature-/room climate controls for wall mounting



- Products for KNX installations
- Room temperature- and room climate controls (air quality sensors) for indoor use
- Compact housing (wall-mounting)
- Various functions and options - configurable via ETS (depending on model):
 - Thresholds for temperature, humidity, CO₂-concentration
 - PI- and 2-point control



TS 31.10 knx

- Temperature control
- Sensor for temperature measurement
- Up to 5 binary and analogue inputs
- Additional function TS 31.10 knx:
 - Manual adjustment of set-point temperature $\pm 3^{\circ}\text{C}$

müller	Version	Sensor
TS 30.10 knx		T
TS 31.10 knx	T manual $\pm 3^{\circ}$	T

✓ Housing colour



GS 31.10 knx

- Temperature control and hygrometer
- Sensors for temperature, humidity and atmospheric pressure measurement
- Up to 5 binary and analogue inputs
- Additional function GS 31.10 knx:
 - Manual adjustment of set-point temperature $\pm 3^{\circ}\text{C}$

müller	Version	Sensor
GS 30.10 knx		RH, T
GS 31.10 knx	T manual $\pm 3^{\circ}$	RH, T

✓ Housing colour



GS 41.00 knx

- Air quality sensor / air quality control
- Sensors for CO₂, temperature, humidity and atmospheric pressure measurement
- Additional function GS 41.00 knx:
 - Manual adjustment of set-point temperature $\pm 3^{\circ}\text{C}$

müller	Version	Sensor
GS 40.00 knx		CO ₂ , RH, T
GS 41.00 knx	T manual $\pm 3^{\circ}$	CO ₂ , RH, T

✓ Housing colour



GS 41.10 knx

- Air quality sensor & control
- Sensors for CO₂, temperature, humidity and atmospheric pressure measurement
- Up to 5 binary and analogue inputs
- Additional function GS 41.10 knx:
 - Manual adjustment of set-point temperature $\pm 3^{\circ}\text{C}$

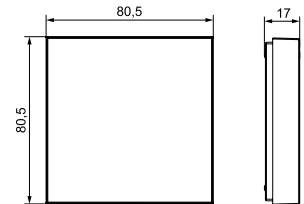
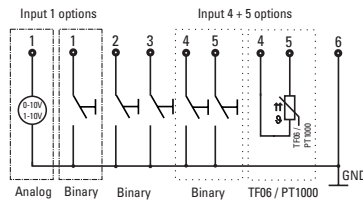
müller	Version	Sensor
GS 40.10 knx		CO ₂ , RH, T
GS 41.10 knx	T manual $\pm 3^{\circ}$	CO ₂ , RH, T

✓ Housing colour



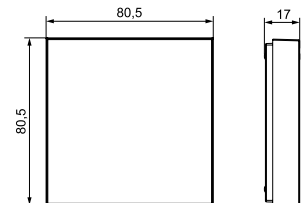
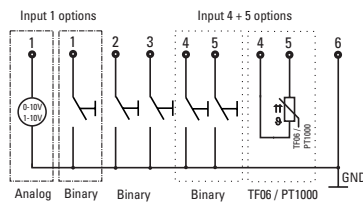
Following functions and data available via KNX bus:

- Temperature control
- Binary and analogue inputs



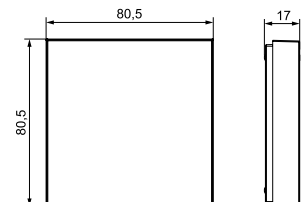
Following functions and data available via KNX bus:

- Temperature control
- Rel. humidity control
- Binary and analogue inputs
- Dewpoint
- Air pressure
- VAV control



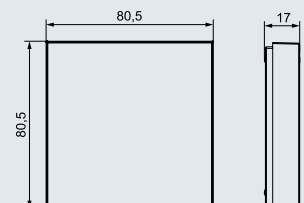
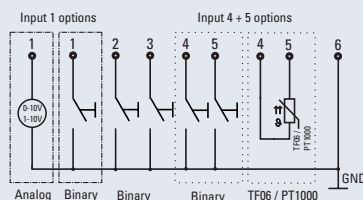
Following functions and data available via KNX bus:

- Temperature control
- Rel. humidity control
- CO₂ control
- Dewpoint
- Air pressure
- VAV control



Following functions and data available via KNX bus:

- Temperature control
- Rel. humidity control
- CO₂ control
- Binary and analogue inputs
- Dewpoint
- Air pressure
- VAV control



KNX Carbon monoxide detector / CO sensor for wall mounting



- Product for KNX installations
- CO sensor
- Compact housing (wall-mounting)
- Various functions and options - configurable via ETS:
 - Thresholds for temperature, humidity, CO-concentration
 - PI- and 2-point control



- KNX carbon monoxide sensor / CO sensor
- CO-, temperature- and humidity sensor
- 2 binary in- / outputs
- Not suitable for use in safety-related applications

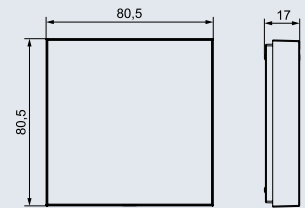
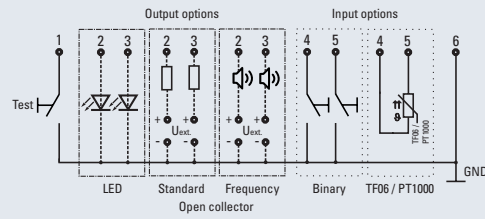
müller	Sensor
GS 80.22 knx	CO, RH, T
✓ Housing colour	



Following functions and data available

via KNX bus:

- Temperature control
- Rel. humidity control
- CO control
- Binary and analogue inputs
- Dewpoint
- VAV control



KNX Dimmers for DIN-rail mounting

- Products for KNX installations
- Panic funktion
- Memory function
- Protection against overload, short circuit and overheat
- Control knob for dimming function test - even without KNX-bus connected
- DIN-rail mounting 87,5 mm



- Dimming actuator for RLC and LED
- 4 channels with up to 300 W per channel
- Channels are independantly controllable / dimmable
- Up to 1200 W total load
- Leadingedge / trailing edge dimming

paladin
by müller

Suitable for

879 414 knx

RLC & LED

Housing colour



- Dimming actuator for dimmable RGBW LED strips
- 4 channels with up to 10 A per channel
- Configurable as 4 single colored LED strips dimmer
- RGB + W or RGBW LED strips
- Pulse width modulation (PWM)
- 12 - 48 V DC

paladin
by müller

Suitable for

879 424 knx

LED Strips

Housing colour



- Dimming actuator / DALI gateway for DALI drivers and ballasts (ECG's)
- 3 channels up to 64 devices per channel
- Max. 128 devices in total
- Broadcast communication
- 1 group per channel

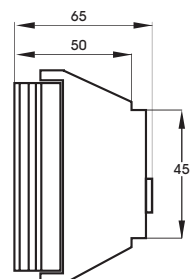
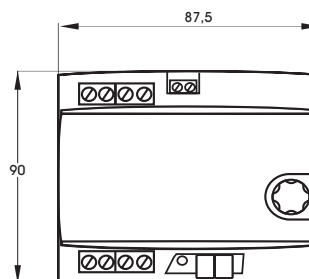
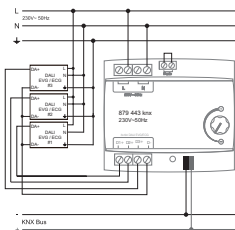
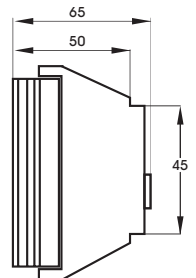
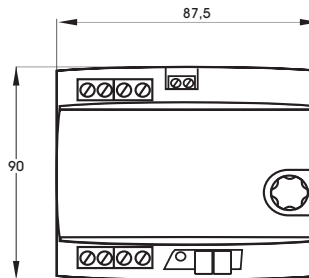
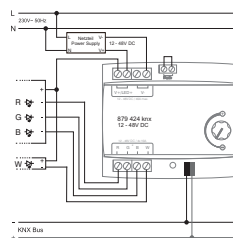
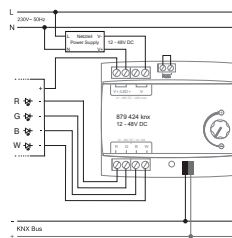
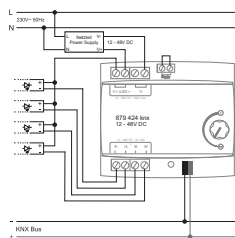
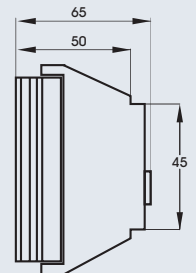
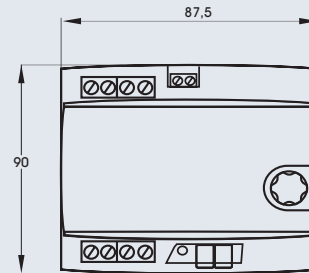
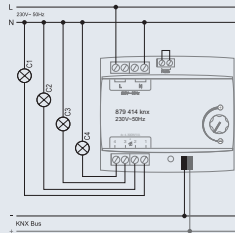
paladin
by müller

Suitable for

879 443 knx

DALI

Housing colour



KNX-RF S-mode products for flush-mounted fitting



- Products for KNX installations
- KNX-RF 1.R S-mode
- Additional connection for wired push-buttons
- RF-repeater function included



- Switching actuator for the building automation
- 1 channel
- Switching capacity 16 A / 250 V
- Functions:
 - switching (on / off)
 - timer
 - staircase lighting timer

paladin by müller	Version
683 730 rfs	1 channel
✓ Housing colour	



- Dimmer for the building automation
- Dimming of RLC und LED lights
- Minimum dimming level adjustable
- Up to 5 Scenes can be stored / called up
- Staircase lighting timer function
- LED-Load leading edge 4–100 W
- LED-Load trailing edge 4–250 W
- Integrated cycle function

paladin by müller	Suitable for
683 830 rfs	RLC & LED
✓ Housing colour	



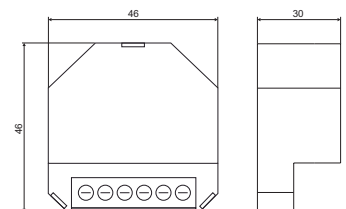
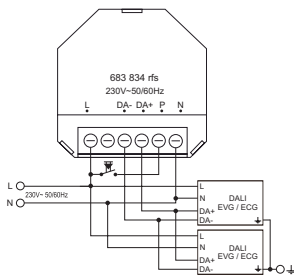
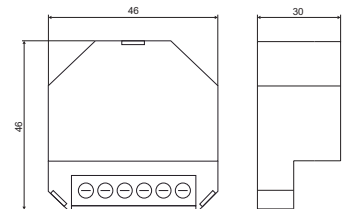
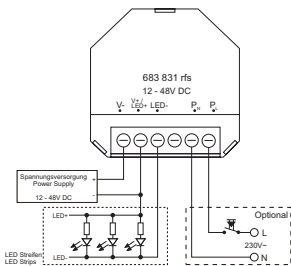
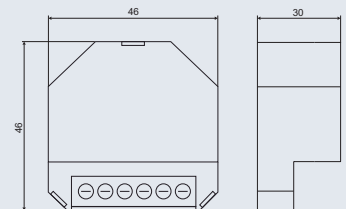
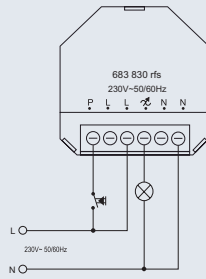
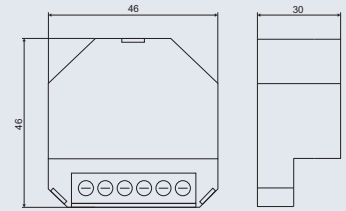
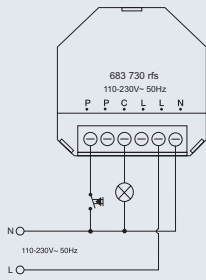
- Dimmer for the building automation
- Dimming of LED strips up to 12-48 V
- Minimum dimming level adjustable
- Up to 5 scenes can be stored / called up
- Staircase lighting timer function
- Integrated cycle function
- Pulse width modulation (PWM) 12-48 V DC
- LED strips up to 8 A (12V: 96 W, 24V: 192 W)

paladin by müller	Suitable for
683 831 rfs	LED Strips
✓ Housing colour	



- DALI dimmer for the building automation
- Dimming of DALI ballasts
- Minimum dimming level adjustable
- Broadcast communication
- Up to 5 Scenes can be stored / called up
- Staircase lighting timer function
- Integrated cycle function

paladin by müller	Suitable for
683 834 rfs	DALI
✓ Housing colour	



KNX-RF compatible switching actuators



- Products for the building automation
- Usable as stand-alone wireless (RF) solution
- Usable in combination with KNX-TP bus via optional gateway
- Easy connection of RF components via push-button linking process (Easy-Mode)
- Included RF-Repeater function
- Switching capacity 16 A



- Switching actuator 1-channel
- DIN-rail mounting 17,5 mm
- Additional function: Timer (3 sec. - 10 min.)
- Additional input for wired push button

paladin
by müller

Mounting

672 730 rf

DIN-rail

✓ Housing colour



- Switching actuator 1-channel/ thermostat
- DIN-rail mounting 17,5 mm
- Control for HVAC applications, adjustable temp. +5...+30°C
- Useable in combination with wireless temperature sensor
- Optionally coupleable with wireless door / window contact
- Optionally coupleable with wireless presence detector

paladin
by müller

Mounting

672 731 rf

DIN-rail

✓ Housing colour



- Switching actuator 1-channel
- Flush-mounted fitting
- Additional function: Timer (3 sec. - 5 min.)
- Additional input for wired push button

paladin
by müller

Mounting

673 730 rf

flush-mounted fitting

✓ Housing colour



- Switching actuator 2-channel / blinds actuator 1-channel
- Cavity mounting (flush-mounted fitting)
- 2 external inputs for additional wired push buttons

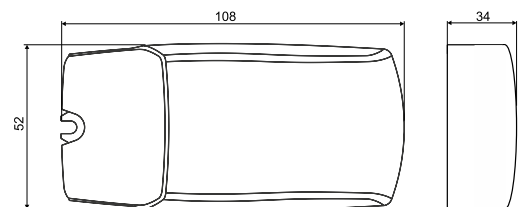
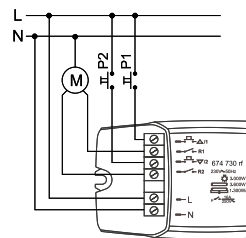
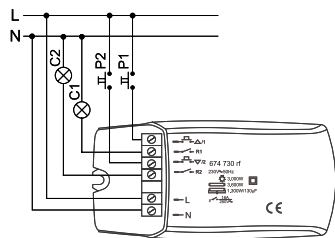
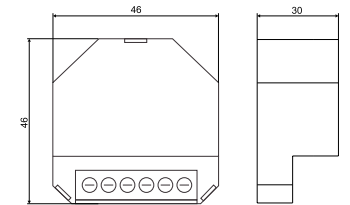
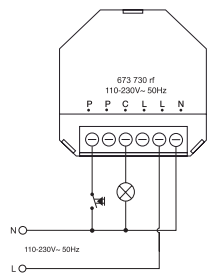
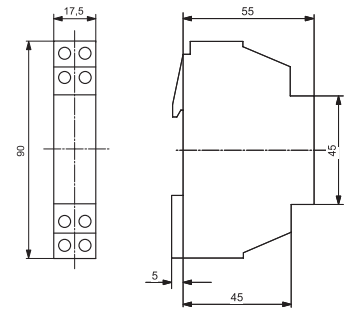
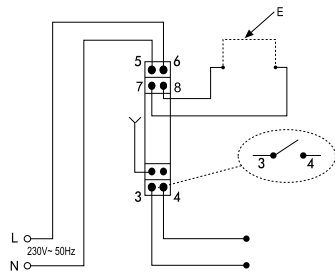
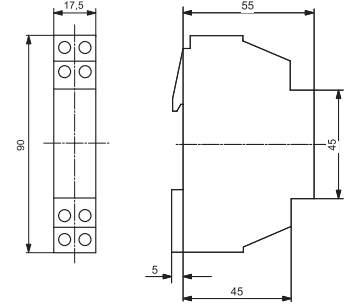
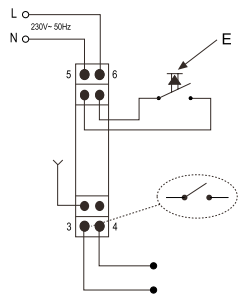
paladin
by müller

Mounting

674 730 rf

cavity mounting

✓ Housing colour



KNX-RF compatible wireless dimmers for flush-mounted fitting



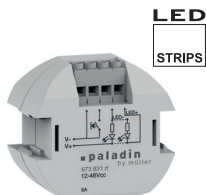
- Products for the building automation
- Usable as stand-alone wireless (RF) solution
- Usable in combination with KNX-TP bus via optional gateway
- Easy connection of RF components via push-button linking process (Easy-Mode)
- Integrated RF-Repeater function



- Dimmer for LED and RLC lamps
- Load leading edge 4–100 W
- Load trailing edge 4–250 W
- Minimum dimming-value adjustable
- Additional input for wired push button

paladin
by müller
673 830 rf
housing colour

suitable for
LED & RLC



- Dimmer for LED strips
- Controls LED strips via pulse width modulation (PWM) 12-48 V DC
- LED strips up to 8 A
- Ideal in combination with transmitter paladin 673 010 rf
- Additional input for wired push button
- Amplifier available (see accessories)

paladin
by müller
673 831 rf
housing colour

suitable for
LED strips



- Dimmer for 1-10 V light control
- Controls up to 100 drivers
- Ideal in combination with transmitter paladin 673 010 rf
- Additional input for wired push button

paladin
by müller
673 833 rf
housing colour

suitable for
lamps with 1-10 V control input



- Dimmer for DALI lamps
- Controls up to 64 drivers
- Minimum dimming-value adjustable
- Additional input for wired push button

paladin
by müller
673 834 rf
housing colour

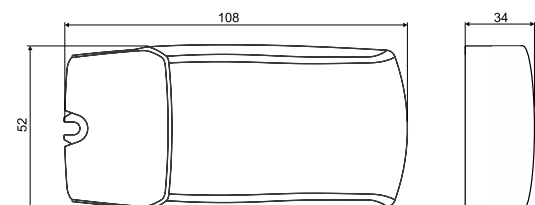
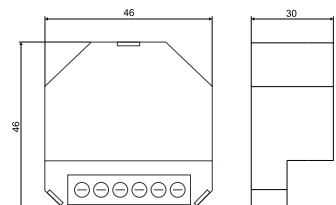
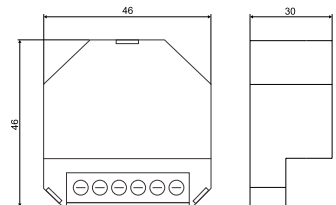
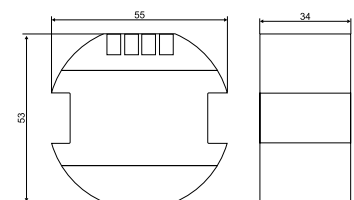
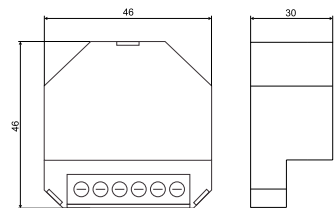
suitable for
DALI



- Dimmer for RGB LED Strips
- Controls LED STRIPS via pulse width modulation (PWM) 12-48 V DC
- LED STRIPS up to 5 A per channel
- Ideal in combination with transmitter paladin 673 010 rf
- Amplifier available (see accessories)
- Cavity mounting (flush-mounted fitting)

paladin
by müller
674 830 rf
housing colour

suitable for
RGB LED Strips



KNX-RF compatible gateways for flush-mounted fitting



- Product for the building automation
- Easy connection of RF components via push-button linking process (Easy-Mode)
- Integrated RF-Repeater function



- Gateway / media coupler RF compatible products to KNX-TP
- Connects KNX-TP installations with our KNX-RF compatible products
- Power supply via KNX-Bus
- 16 independant RF-channels

paladin
by müller
673 520 rf
housing colour

Mounting

Flush-mounted fitting

KNX-RF compatible wireless repeaters for flush-mounted fitting



- Product for the building automation
- Usable as stand-alone wireless (RF) solution
- Easy connection of RF components via push-button linking process (Easy-Mode)

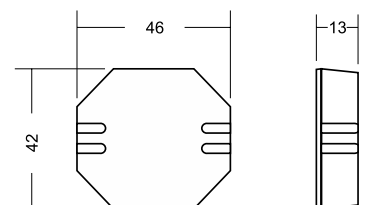
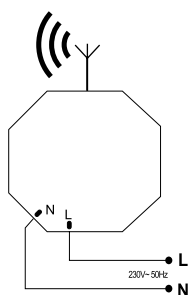
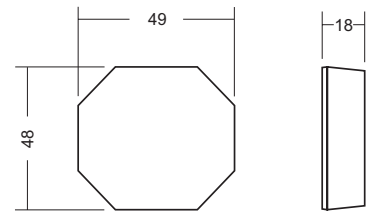


- Signal repeater RF
- Ideal to increase RF range

paladin
by müller
673 620 rf
housing colour

Mounting

Flush-mounted fitting



KNX-RF compatible wireless sensors / transmitters



- Products for the building automation
- Usable as stand-alone wireless (RF) solution
- Usable in combination with KNX-TP bus via optional gateway
- Easy connection of RF components via push-button linking process (Easy-Mode)



- Wireless push button / transmitter 1-channel
- Wall mounting / compact housing
- Battery operated (included), battery lifetime ~ 8 years
- Ideal for universal dimmers 673 830 rf, 673 831 rf, 673 833 rf, 673 834 rf, 674 830 rf

paladin by müller	Version
676 010 rf	1-channel
✓ housing colour	



- Wireless remote control / transmitter 5-channel
- Battery operated (included), battery lifetime ~ 8 years
- Ideal for universal dimmers 673 830 rf, 673 831 rf, 673 833 rf, 673 834 rf, 674 830 rf

paladin by müller	Version
670 010 rf	5-channels
✓ housing colour	



- Binary interface / wireless transmitter 1-channel
- Flush-mounted fitting
- Input for two wired push buttons
- Functions: Switching, dimming, blinds control, scene control (scene 1/2)
- Battery operated (included), battery lifetime ~ 8 years

paladin by müller	Version
673 010 rf	1 channel
✓ housing colour	Input for two push buttons



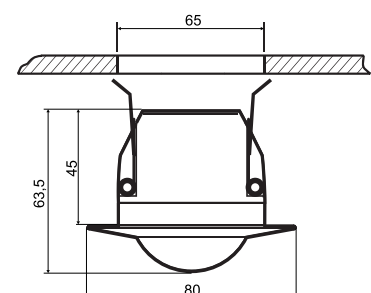
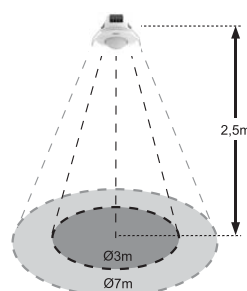
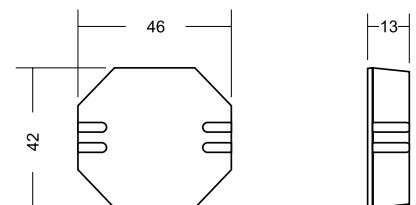
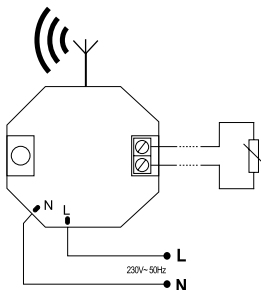
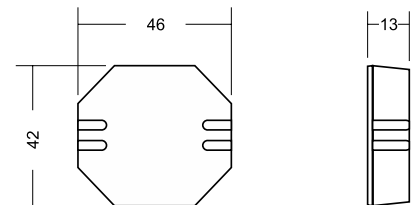
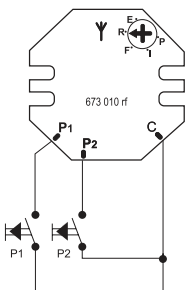
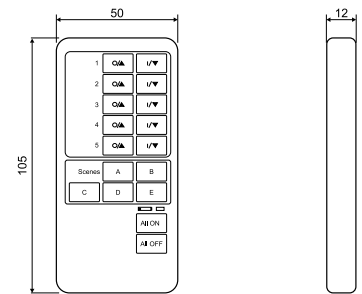
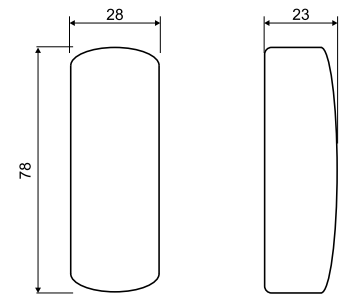
- Temperature sensor with external probe (3 m)
- Flush-mounted fitting
- Measuring range -20°C...+55°C
- Transmission interval (temperature): 1/min.
- Integrated RF-Repeater function

paladin by müller	Version
673 310 rf	Temperature sensor with external probe
✓ housing colour	



- Motion detector / presence detector
- Flush-ceiling mounting
- Two operating modes
- Coverage area Ø 7 m at 2,5 m height
- Battery operated (included), battery lifetime ~ 4 years

paladin by müller	Version
674 110 rf	Motion / presence detector
✓ housing colour	



KNX-RF compatible wireless sensors / transmitters



- Products for the building automation
- Usable as stand-alone wireless (RF) solution
- Usable in combination with KNX-TP bus via optional gateway
- Easy connection of RF components via push-button linking process (Easy-Mode)
- Battery operated (included)
- Wall mounting



- Door-/ window contact sensor
- Transmission of open / close status change via RF
- Battery lifetime ~ 12 years

paladin by müller		Sensor
676 410 rf		Door-/window contact
housing colour		



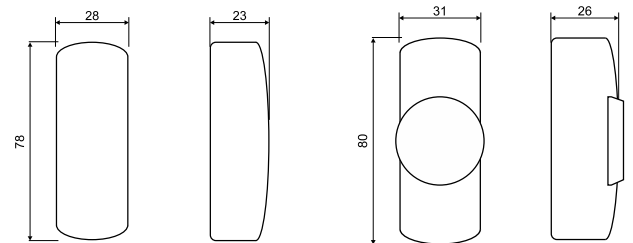
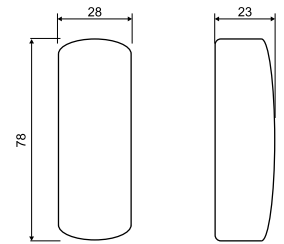
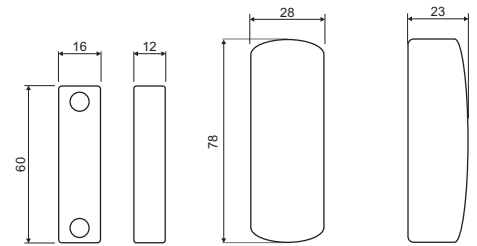
- Brightness sensor
- For sun protection applications
- Compatible with blinds control 674 730 rf
- Battery lifetime ~ 8 years

paladin by müller		Sensor
676 210 rf		Lux
housing colour		



- Temperature sensor
- Transmission of temperature value via RF
- Battery lifetime ~ 8 years

paladin by müller		Version	Sensor
676 310 rf			T
676 311 rf	T manual		T
housing colour			



676 310 rf

676 311 rf

Modbus

Modbus Sensors

- Sensors for indoor use (IP 20)
- Modbus-Modes (ASCII / RTU) configurable
- Compact housing (wall-mounting)
- Adjustable baud rate
- Adjustable parities



- Sensor for temperature measurement

■ müller	Sensor
TS 30.00 mod	T
Housing colour	



- Sensor for temperature measurement
- Sensor for humidity measurement
- Sensor for atmospheric pressure measurement

■ müller	Sensor
GS 30.00 mod	RH, T
Housing colour	



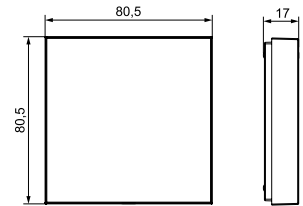
- Sensor for CO₂ measurement
- Sensor for temperature measurement
- Sensor for humidity measurement
- Sensor for atmospheric pressure measurement

■ müller	Sensor
GS 40.00 mod	CO ₂ , RH, T
Housing colour	

Modbus

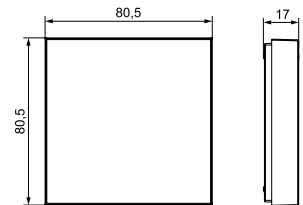
Following registers available via Modbus:

- Temperature (value range: 0°C - 50°C)



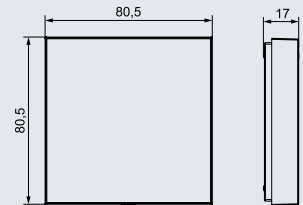
Following registers available via Modbus:

- Temperature (value range: 0°C - 50°C)
- Humidity (value range: 0% - 100%)
- Dew point (value range: -40°C - 125°C)
- Absolute atmospheric air pressure (value range: 400hPa - 1100 hPa)



Following registers available via Modbus:

- Temperature (value range: 0°C - 50°C)
- Humidity (value range: 0% - 100%)
- CO₂ (value range: 390ppm - 10.000ppm)
- Dew point (value range: -40°C - 125°C)
- Absolute atmospheric air pressure (value range: 400hPa - 1100 hPa)



Air quality sensor

climate

- Detection of the air quality:
 - CO₂ sensor (atmospheric pressure compensated)
 - Relative humidity sensor
 - Temperature sensor
- 3 control outputs (0–10 V) for measured values of CO₂ concentration, rel. humidity and temperature
- Control of the CO₂ concentration via 2 sensor-controlled switching channels (potentialfree NO contacts)
- Control of the rel. humidity via 2 sensor controlled switching channels (potentialfree NO contacts)
- Status and warning indicator LED's



- Air quality sensor
- Wall mounting
- 4 sensor-controlled switching channels
- Switching capacity 8 A
- 0–10 V control outputs

■ müller

Sensor

GS 10.00 pro

CO₂, RH, T

✓ Housing colour

for hour counters, countdown timers and digital time switches SC 24.10 pro



Terminal cover BW 40.88

Order number 003.007

✓ Housing colour



Terminal cover für Bx 70.29

Order number 003.008

Order number 003.010

✓ Housing colour



Trim 55 x 55
for Bx 40 / TC x4 / SC 24.10 pro

Order number 190.003

✓ Housing colour



Mask 72 x 72
for Bx 40 / TC x4 / SC 24.10 pro

Order number 190.004

✓ Housing colour



Mask ø 72 (mounting ø 60)
for Bx 40 / TC x4 / SC 24.10 pro

Order number 190.008

✓ Housing colour

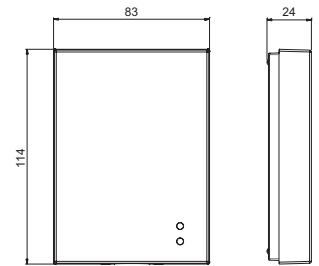
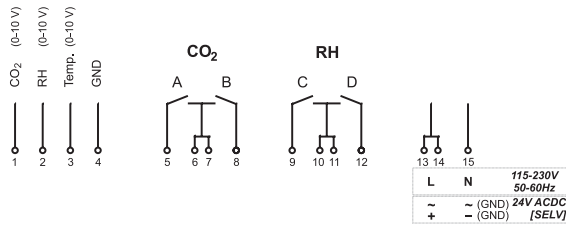


Adapter for BW 40.x8

Order number 692.006

✓ Housing colour

climate



Retaining clip for Bx 40 / TC x4
Order number 715.003
Housing colour



Retaining clip for Bx 30
Order number 715.005
Housing colour



Self-adhesive seal (anti-twist protection)
for Bx 40 / TC x4 / SC 24.10 pro
Order number 101.001
Housing colour

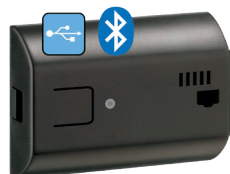


IP54-Seal
for Bx 40 / TC x4 / SC 24.10 pro
Order number 101.003
Housing colour



- Data-key
- Accessory for devices of the pro-series and SC 98.40 knx
- Suitable for programming package Save'n carry PP 50.00 pro and PP 60.00 pro

■ müller	Description
DK pro	Data-key
<input checked="" type="checkbox"/> Housing colour	



PP 60.00 pro

- Programming package Save'n carry
- Accessory for devices of the pro-series and SC 98.40 knx
- For easily programming of switching times at your PC or Smartphone (Android, only PP 60.00 pro)

■ müller	Interface
PP 50.00 pro	USB
PP 60.00 pro	USB, Bluetooth
<input checked="" type="checkbox"/> Housing colour	



- Radio receiver DCF-Time
- Accessory for devices of the pro-series and SC 98.40 knx
- Wall mounting
- Connection wire specifications: 2-wire, no shield, variable core cross-section
- Reception and output of the DCF 77 telegram

■ müller	
FU 20.00 pro	
<input checked="" type="checkbox"/> Housing colour	



- Radio receiver GPS-Time
- Accessory for devices of the pro-series and SC 98.40 knx
- Wall mounting
- Connection wire specifications: 3-wire, no shield, variable core cross-section
- Reception and processing of GPS time signal

■ müller	Version
FU 30.00 pro	without power supply
FU 35.00 pro	power supply for DIN-rail included
<input checked="" type="checkbox"/> Housing colour	



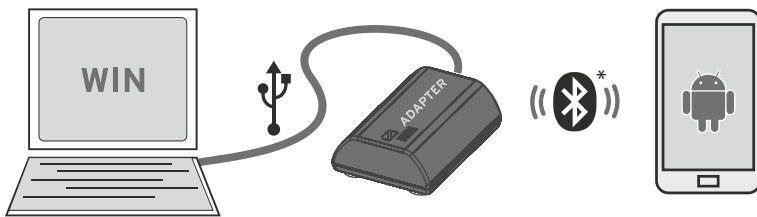
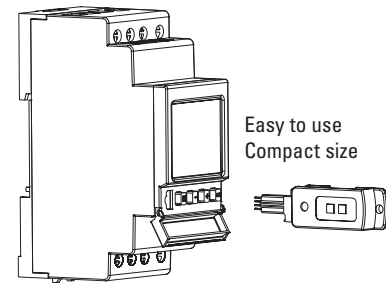
- Amplifier for LED strips
- Flush-mounted fitting
- LED strips up to 8 A
- Combinable with dimmer paladin 873 040 led, 673 831 rf and 674 830 rf

■ paladin by müller	suitable for
873 041 amp	LED strips
<input checked="" type="checkbox"/> Housing colour	

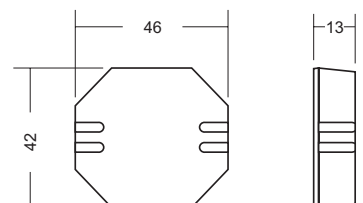
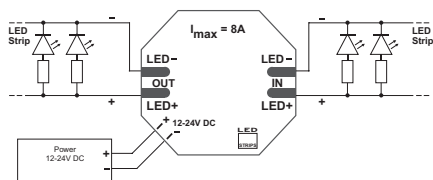
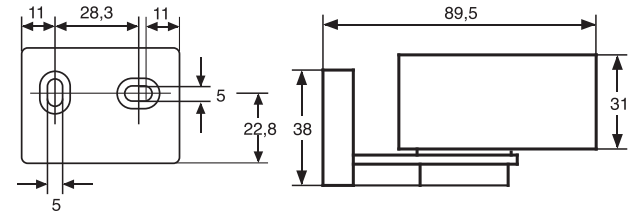
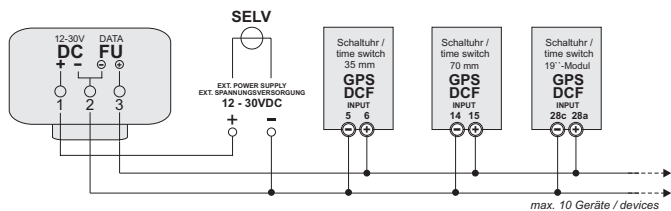
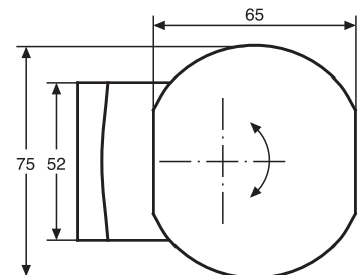
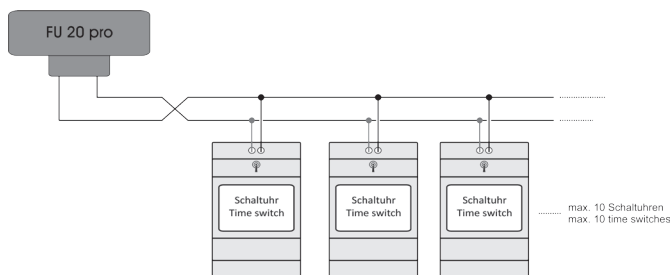
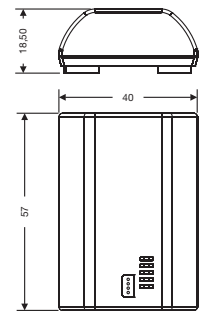


- External temperature sensor / probe TF06
- Connects to analogue input of:
 - GS 4x.10 knx
 - GS 3x.10 knx, TS 3x.10 knx
 - EA 36.32 knx
- Measuring range: -15...+70°C
- Sensor NTC 10 kOhm, nominal length 28 mm, diameter 7,7 mm
- Cable: 4 m PVC/PVC black (H03 VV-F)
- Type of protection: IP 65

■ müller	Version
TF06	External temperature sensor / probe
<input checked="" type="checkbox"/> Housing colour	



* only PP 60.00 pro "Bluetooth"



 **müller**
2019 | 2020

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www.hugo-mueller.com



s w i t c h i n g c o n t r o l l i n g c o u n t i n g

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