Digital DIN-rail time switches - talento smart C25

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PRODUCT DESCRIPTION

DIN-rail timer with two channels with 500 memory spaces for creating 50 date-specific programmes (ON, OFF Cycle, Impulse, Random ON, Random OFF) and 50 date-independent programmes (ON, OFF Cycle, Impulse, Random ON, Random OFF) with a minimum switching time of 1 minute (ON/OFF) or1 second (cycle, impulse). Free weekday block formation. Summer/winter time adjustment can be automatic, date-specific or deactivated. 12/24 h setting. Switching state display. Integrated hours counter with maintenance mode. Manual switch: Automatic, Fix ON/OFF, Override. White display lighting makes it easy to read. Non-volatile memory (EEPROM) for storing programmes in the event of a power outage. Power reserve via battery of up to eight years. The clock can be sealed and can be protected with a PIN to prevent unauthorised access. Programming is performed either directly on the clock or conveniently by means of mobile devices and the corresponding apps (Android and iOS) and PC software.

- Convenient, automatic change from summer to winter time
- Optimal tamper protection through PIN code protection for the service interval settings
- Optimal tamper protection through sealable housing

APPLICATIONS

- Advertising lighting
- Street lighting
- Show window lighting
- Devices, motors or pumps control
- Roller blinds and sun blinds control
- Presence simulation
- Locking systems in buildings
- School bells / church bells control

TECHNICAL DATA

Electrical Data	
Supply voltage	AC/DC 12/24 V ± 10% 50-60 Hz
Curret output	Switch contact, opening width < 3 mm
	Changeover, potential-free, opening width < 3 mm
	phase-independent
Current capacity - ohmic load	16 A / 250 V AC
Current capacity - inductive load cos.phi 0.6	10 A / 250 V AC
Switching capacity - minimal	100 mA (AC/DC)
Load incandescent / halogen lamp	2.600 VA
Load fluorescent lamps	730 VA (serial compensated)
	1.000 VA (dual switching)
	1.000 VA (not compensated)
	1.000 VA (serial compensated)
Load compact fluorescent lamp	14 x 23 W
	16 x 15 W
	16 x 20 W
	18 x 11 W
	22 x 7 W
Load LED-lamps < 2 W	Max. 100 W
Load LED-lamps 2-8 W	Max. 600 W
Load LED-lamps > 8 W	Max. 600 W
Load sodium-vapour lamp - non-compensated	1 x 400 W
	2 x 250 W
Load sodium-vapour lamp - serial compensated	1 x 250 W (32 µF)
	1 x 400 W (45 µF)
	2 x 150 W (20 µF)
Load mercury-vapour lamp - serial compensated	1 x 400 W (25 µF)
	1 x 700 W (40 µF)
	2 x 250 W (18 µF)
	4 x 125 W (10 µF)
	6 x 50 W (7 µF)

Load mercury-vapour lamp - non-compensated	1 x 700 W
	2 x 250 W
	4 x 125 W
Current capacity - DC	300 mA / 60 V DC
	800 mA / 24 V DC
Power consumption	< 1 VA (Standby-mode)
Accuracy	± 0,3 Second /Day at 20 °C
Power reserve	8 Years
	Programs saved in EEPROM

Power connection

Device	Screw terminal with wire protection max. 2.5 mm²
	Captive latching screw

Communication method

Radio signal	Bluetooth 4.0

Operating specifications

Manual switch	Automatic mode
	Fix ON/OFF
	Override
Channels	2
Tempering protection	PIN code
	Lead-sealable
Program	50 date-dependent programs (Holiday-/Anual program)
	50 date-dependent programs (Weekly program)
	Astro function
	OFF
	ON
	Free weekday block formation
	Impulse
	Random OFF
	Random ON
	Cycle
Programming	Device
	PC
	Smartphone/Tablet
Memory lspaces	500
Meters	Hours counter with maintenance mode

Display and format

Display lighting	White
Time format	12-hour format (AM/PM)
	24-hour format (default)
Shortest switching time	ON/OFF 1 minute
	Impuls 1 Second
	Cycle 1 Second
Summer/winter time	Automatic summer/winter time change
	Date-dependent summer/winter time change
	Can be deactivated
Status indicator	Switch position display

Operating conditions

Temperature (operation)	-20 °C ... +55 °C
Temperature (storage)	-40 °C ... +70 °C

General specifications

Number of modules	2
Weight	200 g
	170 g
Material	Thermoplastics, self-extinguishing & high-temperature resistant

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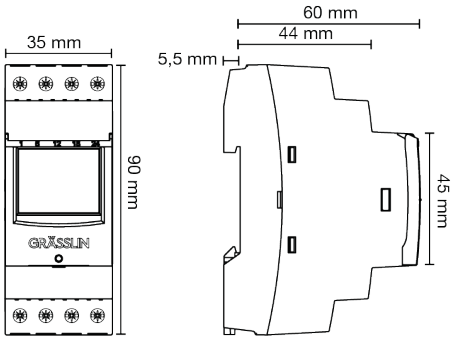
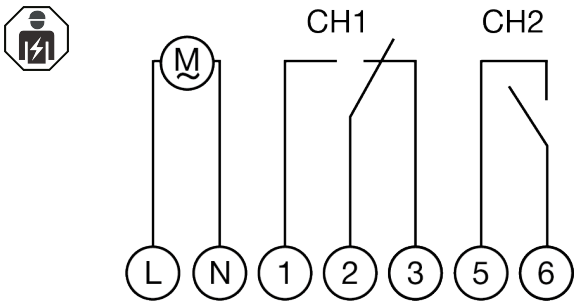
Dimension	90 x 35,5 x 60 mm (H x B x T)
Mounting	DIN rail
Languages	CS, DA, DE, EN, ES, FI, FR, HU, IT, NL, NO, PL, PT, SV

Compliance with standards	
Protection type	IP20
Protection class	II, according to corresponding mounting
Approval mark	CE, FCC, VDE
Standards and guidelines	EN 60730-1, EN 60730-2-7, EN 60950-1, EN 62311, EN 62479, EN 300 220-2, EN 301 489-1, EN 301 489-3

DIMENSIONAL DRAWINGS



CIRCUIT DIAGRAMS