TR 642 top3 BLE 12-24V RC

Item no.: 6424330

Time and light control
Digital time switches

Description

- Digital time switch with yearly and astronomical time program
- App programming possible thanks to integrated BLE module
- Extensive yearly time switching functions
- Astronomical switching function (automatic calculation of sunrise and sunset times for the whole year)
- Astro selectable per channel "3 astro ranges: sunset, twilight, darkness"
- Earth Hour pre-programmed until 2044
- Time synchronisation via connection of external DCF or GNSS antennas, additional positioning for astronomical program with GNSS
- 2 channels
- 2 external inputs
- Connectable sensors (external selector switch, sequence timer)
- Connectable switches (ON or OFF permanent switching)
- DuoFix spring terminals
- For 2 conductors each
- Wire or strand (with or without wire end sleeve)
- Wire diameter: 0.5 - 2.5 mm²
- Button for releasing plug-in connection
- Text-oriented user guidance in display
- Preset date and time
- fully operable without mains connection
- 800 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 2. insertable switching program
- Copying programs
- Storing programs
- 10 year power reserve (lithium battery)
- Automatic summer/winter time changeover
- can be deactivated
- Date rule options are already stored for Europe, the USA and other countries
- own date rule options or changeover around set dates are available
- ON-OFF switching times
- Pulse program
- Cycle program
- Extensive yearly clock functions
- Basic weekly program and 14 different weekly programs with priority levels and date ranges
- Permanent ON / permanent OFF with highest priority via date range program option
- fixed and variable public holidays, public holidays dependent on Easter, day and date ranges with serial pattern



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- Public holiday database for Germany including all Federal states, Switzerland, France etc.
- Program simulation on clock display
- Astronomical time switch function (automatic calculation of sunrise and sunset times for the whole year)
- Offset for adjusting of sunrise and sunset times
- Position data via coordinates or country/city lists can be programmed
- Optional production of own city list (favourites) and a table with own astronomical times on PC
- Fixed ON-OFF switching times can be programmed (e.g. night time interruption)
- Simulation of astronomical switching times (calculated astronomical times and programmed ON/OFF switching times) for the whole year
- various astronomical setting options (evening ON - mornings OFF or evenings OFF - mornings ON, astronomical pulse)
- Switching preselection
- Permanent switching ON/OFF
- Count-down timer
- Integrated operating hour counter
- Reset option
- Service function for monitoring maintenance intervals
- Holiday program
- 2 random programs
- Display back light (can be turned off)
- PIN coding

Technical data

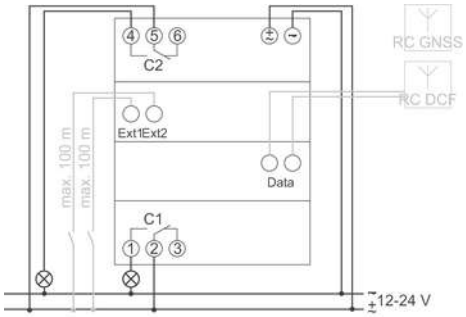
	TR 642 top3 BLE 12-24V RC
Operating voltage	12 - 24 V UC
Frequency	50 - 60 Hz
Width	3 modules
Installation type	DIN rail
Type of contact	Changeover contact
Switching output	Phase-independent
Opening width	< 3 mm
Program	Yearly program, Astronomical program
Program functions	ON-OFF, Pulse, Cycle
Number of channels	2
External inputs	2
Number of memory locations	800
Power reserve	10 years
Switching capacity at 250 V AC, cos φ = 1	16 A
Switching capacity at 250 V AC, cos φ = 0,6	2 A
Incandescent/halogen lamp load	1400 W
LED lamp < 2 W	6 W

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LED lamp 2-8 W	20 W
LED lamp > 8 W	20 W
Switching capacity min.	ca. 10 mA
Shortest switching times	1 s
Time accuracy at 25 °C	≤ ± 0,5 s/day (quartz) or DCF77/GNSS
Time basis	Quartz/DCF77/GNSS
Stand-by consumption	~
Memory card supplied	–
Type of connection	DuoFix spring terminals
Externe Antenne anschließbar	√
Display	LCD
Keyboards	4 touch buttons
Housing and insulation material	High-temperature resistant, self-extinguishing thermoplastic
Type of protection	IP 20
Protection class	II according to EN 60 730-1
Voltage	12-24 V UC
Ambient temperature	50°C

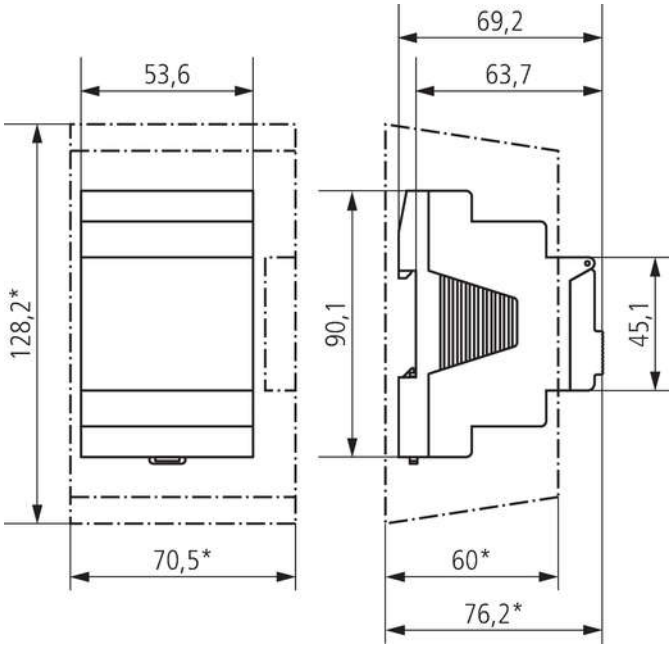
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Connection example



Scale drawings



Accessories

Wall mounting kit 52,5 mm
Item no.: 9070050



Antenna RC-DCF
Item no.: 9070410



PC set OBELISK top2/3
Item no.: 9070409



Memory card OBELISK top2
Item no.: 9070404



Accessories

Front panel kit
Item no.: 9070001



Antenna RC-GNSS R
Item no.: 9070807



Antenna RC-GNSS
Item no.: 9070823

