

## Description



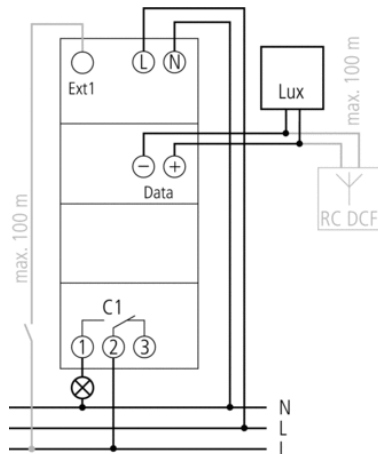
- Twilight switch with integrated weekly timer
- External light sensor included in delivery
- 1 channel
- Integrated weekly timer
- Variable lux values can be set for each day
  - for each day of the week
- Fixed ON and OFF times (e.g. nighttime interruption)
  - can be programmed independent of brightness
- 2 special programmes with yearly function
  - (e.g. 24.12.2007 to 6.01.2008): Variable lux values and switching times can be set for each special program
- DCF77 or GPS radio controlled time via external antenna
- Holiday and public holiday program with yearly function for fixed and public holidays dependent on Easter
- Different summer/winter time rules can be selected or freely defined
- Switching brightness digitally adjustable
- Adjustable On and Off switching delay
  - to avoid switching errors caused by lightning, car headlights etc. Preset 1 minute
- Switching brightness and switching delay can be set separately for switching On and Off
- Onscreen display of channel and switching status as well as current lux value
- DuoFix spring terminals
  - for 2 conductors per connection terminal
- Zero-cross switching for relay-saving switching and high lamp loads (not with 24 V devices)
- Up to 4 sensors can be attached
- Up to 10 devices can be connected to a digital sensor
- Interface for OBELISK top2 memory card (PC programming)
  - 2. insertable switching program
  - Copying programs
  - Storing programs
- External light sensor included in delivery
- Extended brightness range
- Permanent switching ON/OFF
- Test function
  - (Permanent ON) to check the installation independently of set brightness value
- Switching preselection
- Display back light (can be turned off)
  - PIN coding
- External input
  - for switches or buttons
- Operating hour counter
  - with reminder function

## Technical data

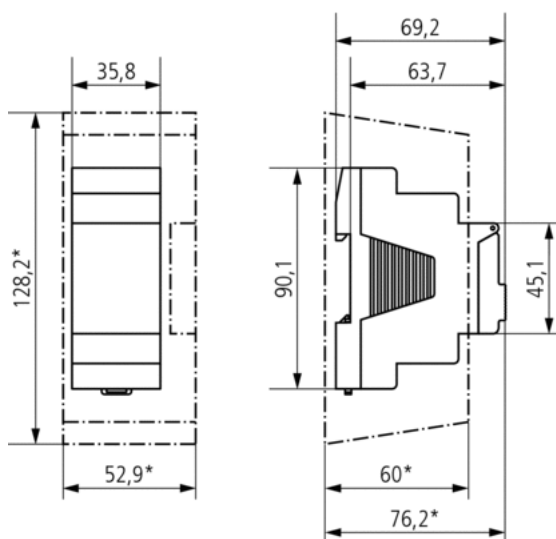
|                            |                       |
|----------------------------|-----------------------|
| Operating voltage          | 230 – 240 V AC        |
| Frequency                  | 50 – 60 Hz            |
| Number of channels         | 1                     |
| Number of memory locations | 84                    |
| External inputs            | 1                     |
| Stand-by consumption       | 1,3 W                 |
| Program                    | Weekly program        |
| Additional program         | Extra/Holiday program |

|                                                         |                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Time basis                                              | Quartz/DCF77                                                                                                      |
| Setting range brightness                                | 1 – 99000 lx                                                                                                      |
| Preset brightness value                                 | 15 lx                                                                                                             |
| Switch-on delay                                         | 0 – 59 min                                                                                                        |
| Switch-off delay                                        | 0 – 59 min                                                                                                        |
| Type of contact                                         | Changeover contact                                                                                                |
| Switching output                                        | Potential-free, not for SELV                                                                                      |
| Width                                                   | 2 modules                                                                                                         |
| Installation type                                       | DIN rail                                                                                                          |
| Type of connection                                      | DuoFix spring terminals                                                                                           |
| Keyboards                                               | 4 touch buttons                                                                                                   |
| Shortest switching times                                | 1 min                                                                                                             |
| Power reserve                                           | 10 years at 20 °C                                                                                                 |
| Switching capacity                                      | 16 A (at 250 V AC, $\cos \varphi = 1$ ), 10 A (at 250 V AC, $\cos \varphi = 0.6$ ), 10 AX (Fluorescent lamp load) |
| Switching capacity min.                                 | ca. 10 mA                                                                                                         |
| Incandescent lamp load                                  | 2600 W                                                                                                            |
| Halogen lamp load                                       | 2600 W                                                                                                            |
| Fluorescent lamp load (conventional) not corrected      | 2300 VA                                                                                                           |
| Fluorescent lamp load (conventional) series-corrected   | 2300 VA                                                                                                           |
| Fluorescent lamp load (conventional) lead-lag circuit   | 2300 VA                                                                                                           |
| Fluorescent lamp load (conventional) parallel-corrected | 800 VA 80 $\mu$ F                                                                                                 |
| energy saving lamps                                     | 22 x 7 W, 18 x 11 W, 16 x 15 W, 16 x 20 W, 14 x 23 W                                                              |
| Fluorescent lamp load (electronic ballast)              | 650 VA                                                                                                            |
| Test approval                                           | VDE                                                                                                               |
| Housing and insulation material                         | High-temperature resistant, self-extinguishing thermoplastic                                                      |
| Ambient temperature                                     | -30 °C ... +55 °C                                                                                                 |
| Type of protection                                      | IP 20, sensor IP 66                                                                                               |
| Protection class                                        | II, Sensor III                                                                                                    |
| Max. cable length to sensor                             | 100 m                                                                                                             |

## Connection example



## Scale drawings



## Accessories

### Antenna top2 RC-GPS

- Article number: 9070610  
[Details ► www.theben.de](http://www.theben.de)



### Antenna top2 RC-DCF

- Article number: 9070410  
[Details ► www.theben.de](http://www.theben.de)



### Digital surface-mounted light sensor

- Article number: 9070415  
[Details ► www.theben.de](http://www.theben.de)



### Digital flush-mounted light sensor

- Article number: 9070456  
[Details ► www.theben.de](http://www.theben.de)



### Wall mounting kit 35 mm

- Article number: 9070064  
[Details ► www.theben.de](http://www.theben.de)



### Power unit top2 GPS

- Article number: 9070892  
[Details ► www.theben.de](http://www.theben.de)



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PC set OBELISK top2

- Article number: 9070409  
[Details ► www.theben.de](http://www.theben.de)



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Memory card OBELISK top2

- Article number: 9070404  
[Details ► www.theben.de](http://www.theben.de)



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Front panel kit

- Article number: 9070001  
[Details ► www.theben.de](http://www.theben.de)

