

# TR 609 top2 S

Item no.: 6090101

**theben**

## Time and light control Digital time switches

### Description

- Digital time switch with weekly program
- 1 channel
- 84 memory locations
- External input
- Connectable sensors (external selector switch, sequence timer)
- Connectable switches (ON or OFF permanent switching)
- Pulse program
- Cycle program
- Timer countdown
- 2 random programs
- DuoFix spring terminals
- For 2 conductors each
- Wire or strand (with or without wire end sleeve)
- Wire diameter: 0.5 - 2.5 mm<sup>2</sup>
- Button for releasing plug-in connection
- Text-oriented user guidance in display
- Preset date and time
- fully operable without mains connection
- Interface for OBELISK top2 memory card (PC programming)
- 2. insertable switching program
- Copying programs
- Storing programs
- 10 year power reserve (lithium battery)
- ON-OFF switching times
- Switching preselection
- Permanent switching ON/OFF
- Integrated operating hour counter
- Reset option
- Service function for monitoring maintenance intervals
- Holiday program
- Permanent switching ON/OFF
- PIN coding
- 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



Subject to technical changes and misprints

additional information at: [www.theben.de/product/6090101](http://www.theben.de/product/6090101)

The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

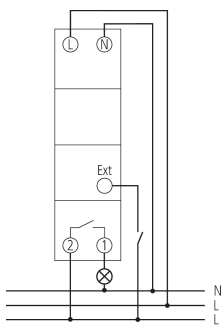
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## Technical data

| TR 609 top2 S                               |                         | TR 609 top2 S   |  |
|---|-------------------------|---|--|
| Operating voltage                           | 230 – 240 V AC          | Fluorescent lamp load (conventional) not corrected      | 2000 VA  |
| Frequency                                   | 50 – 60 Hz              | Fluorescent lamp load (conventional) series-corrected   | 2000 VA  |
| Width                                       | 1 modules               | Fluorescent lamp load (conventional) parallel-corrected | 1300 W 140 µF  |
| Installation type                           | DIN rail                | Switching capacity min.                                 | ~10 mA   |
| Type of contact                             | NO contact              | Shortest switching times                                | 1 s  |
| Switching output                            | Phase-independent       | Time accuracy at 25 °C                                  | typical ± 0,25 s/day (quartz)                                |
| Opening width                               | < 3 mm (µ)              | Time basis  | Quartz   |
| Program                                     | Weekly program          | Stand-by consumption                                    | ~0.4 W   |
| Program functions                           | EIN-AUS, Impuls, Zyklus | Capacity loss max.                                      | 1.2 W  |
| Number of channels                          | 1                       | Memory card supplied                                    | –  |
| External inputs                             | 1                       | Test approval   | VDE  |
| Number of memory locations                  | 84                      | Type of connection                                      | DuoFix spring terminals                                      |
| Power reserve                               | 10 years                | Display   | LCD-Anzeige mit Textzeile                                    |
| Switching capacity at 250 V AC, cos φ = 1   | 16 A                    | Keyboards   | 4 touch buttons, 1 reset button                              |
| Switching capacity at 250 V AC, cos φ = 0,6 | 4 A                     | Housing and insulation material                         | High-temperature resistant, self-extinguishing thermoplastic |
| Incandescent/halogen lamp load              | 2000 W                  | Type of protection                                      | IP 20  |
| Energy saving lamps                         | 300 W                   | Protection class  | II according to EN 60 730-1                                  |
| LED lamp < 2 W                              | 55 W                    | Voltage   | 230 V AC   |
| LED lamp 2-8 W                              | 600 W                   | Ambient temperature                                     | -25°C ... 55°C   |
| LED lamp > 8 W                              | 600 W                   |   |  |

## Connection example



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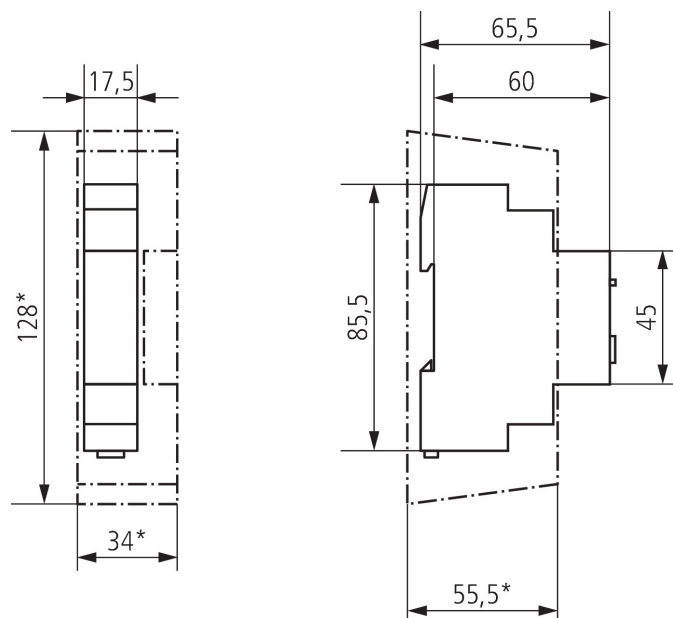
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## Scale drawings



## Accessories

**Wall mounting kit 17,5 mm**  
Item no.: 9070065



**PC set OBELISK top2/3**  
Item no.: 9070409



**Memory card OBELISK top2**  
Item no.: 9070404



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