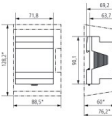
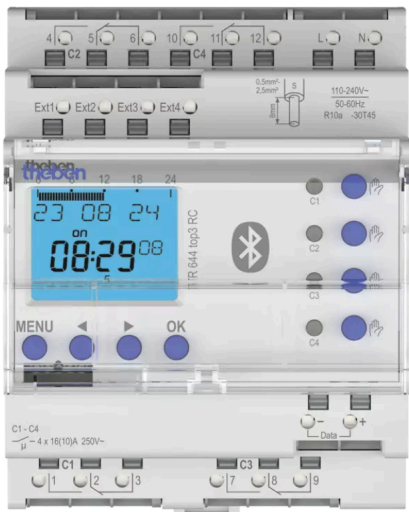


TR 644 top3



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Function 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
- 4 channels

- 4 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) •
- Zero-cross switching for leay-saving switching and high lamp loads (not with 24 V devices) •
 - 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 •
- 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 •

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