

TR 641 S


TR 644 S


TR 644 S DCF, radio controlled


Antenna for DCF77 radio signal, see page 28

Programming and simulation on the PC by means of the OBELISK programming set is possible as well as programming manually on the device by keyboard.

## Function:

- 10 standard week programs with ascending priority e.g. for different programs (public holidays, holidays, seasons)
- The software has a database available containing holidays that can be loadet as appropriate
- With date correction for holidays in succeeding years Integrated calendar until 2070.
- Permanent function ON/OFF programmable for each channel and date
- Free block formation of channels and weekdays
- Simple programming possible by means of ten key keyboard or PC
- New simulation of the program on PC with an overview for the entire year for all channels
- Overview by wiring diagram in the zoom window exactly to the minute for every channel
- Manual switching is possible by means of override and permanent switching
- Activatable random program
- Programming possible even without power supply
- High battery reserve with lithium cell, easily replaceable from the front


## TR 641 S TERMINA ${ }^{\oplus}$

- 1 channel
- Calendar controlled automatic summer/winter time adjustment

TR 641 S DCF TERMINA ${ }^{\circledR}$, radio controlled

- 1 channel
- Automatic time synchronisation and summer/winter time adjustment
- Mains supply unit and Arial DCF77 required additionnally

TR 642 S TERMINA ${ }^{\oplus}$

- as TR 641 S, but with 2 channels

TR 642 S DCF TERMINA ${ }^{\oplus}$, radio controlled

- as TR 641 S DCF, but with 2 channels

TR 644 S TERMINA ${ }^{\oplus}$

- as TR 641 S, but with 4 channels

TR 644 S DCF TERMINA ${ }^{\oplus}$, radio controlled

- as TR 641 S DCF, but with 4 channels


## Dimension drawings DIN 43880



## Din rail program

Programming with OBELISK 2.1


## Easy programming

By choice, with both versions, the whole switching program can be effected at your desk with WINDOWS on the PC by using the additional OBELISK 2.1 program kit. The complete time program can be printed in tabular form.

## Programming with the mouse

Bring up on the screen with the mouse the required fields e.g. channel 2 and 3, ON, on Tuesday. By scrolling the hours and minutes, set the switching time to the exact minute and confirm with OK - ready.

## Standard week programs

In addition to the standard program, additional programs for public holidays, holidays, varying seasons or "Open Day" can be created. Each program is allotted a precedence rating. The higher precedence rating has priority. The priority program is filed in the memory and can be activated, when required, by entering the start and end date.

## Public holidays

Simple and individual programming with the help of the holiday data base. Also variable holidays only need to be programmed once, since the date adjustment for the subsequent years takes place automatically via the time switch. Integrated calendar until 2070.


## Simulation of the time program

To obtain a quick overview, an entered switching program can be displayed in the form of a graph. You first receive an overview for the entire year for all channels. By clicking the desired day and channel, you receive an overview in the zoom window exactly to the minute.



## Easy installation:

1 Plug the interface of the OBELISK-plug adaptor into the serial part of your PC.
2 Push on the OBELISK memory card.
3 Install the OBELISK software on the PC.
4 Necessary PC 486 or PENTIUM with WINDOWS 95/98/2000/NT/XP. Available capacity on two hard discs about 4 MB.
5 Program can be read from PC into the memory card OBELISK and from there be transferred into the time switch. The OBELISK memory card may now serve as back-up or for program transfer from time switch to time switch.


| Type | Program | Memory locations | Power reserve | Programmable every ... | Special functions | Switching contacts | Nominal current at 250 V ~ | Order No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TR 641 S <br> 1 channel | $24 \mathrm{~h} / 7 \mathrm{~d} /$ year 1-59 s pulse | 324 | 1.5 years | 1 s | 1x switching 1... 7 days for holiday setting | 1 changeover switch | 16 (10) A | 6410001 |
| TR 641 S DCF <br> 1 channel | radio controlled $24 \mathrm{~h} / 7 \mathrm{~d} /$ year 1-59 s pulse | 324 | 1.5 years | 1 s | 1x switching 1... 7 days for holiday setting | 1 changeover switch | 16 (10) A | 6410301 <br> (without antenna + power unit) |
| TR 642 S <br> 2 channels | $24 \mathrm{~h} / 7 \mathrm{~d} /$ year 1-59 s pulse | 324 | 1.5 years | $1 \mathrm{~s}$ <br> holiday setting | 1x switching 1... 7 days for | 2 changeover switches | 16 (10) A | 6420001 |
| TR 642 S DCF <br> 2 channels | radio controlled 24 h/7d/year 1-59 s pulse | 324 | 1.5 years | 1 s | 1x switching 1... 7 days for holiday setting | 2 changeover switches | 16 (10) A | 6420301 <br> (without antenna + power unit) |
| TR 644 S <br> 4 channels | $24 \mathrm{~h} / 7 \mathrm{~d} /$ year 1-59 s pulse | 324 | 1.5 years | 1 s | 1x switching 1... 7 days for holiday setting | 4 changeover switches | 16 (10) A | 6440001 |
| TR 644 S DCF 4 channels | radio controlled $24 \mathrm{~h} / 7 \mathrm{~d} /$ year 1-59 s pulse | 324 | 1.5 years | 1 s | 1x switching 1... 7 days for holiday setting | 4 changeover switches | 16 (10) A | 6440301 <br> (without antenna <br> + power unit) |
| Power unit for Antenna DCF77, standard housing $45 \times 35 \times 60 \mathrm{~mm}$ according to DIN 43880 |  |  |  |  |  |  |  | 9070182 |
| Terminal cover TR 644 S for wall mounting, sealable |  |  |  |  |  |  |  | 9070053 |
| Programmierset OBELISK (memory card, intermediate plug for PC interface, software) |  |  |  |  |  |  |  | 9070230 |
| OBELISK memory card (single) |  |  |  |  |  |  |  | 9070165 |
| Antenna for DCF77 radio control, required for radio controlled devices. Max. 5 devices can be connected per antenna. No power supply required. |  |  |  |  |  |  |  | 9070243 |

