

# Jahresschaltuhr

TR 617 1 channel timer Nr. 617 0 000

TR 627 2 channel timer Nr. 627 0 000

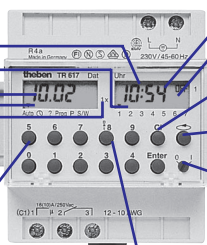


## Features

- battery switch enables program entries off the line
- calendar with leap years and automatic summer / winter time correction is programmed till the year 2079.

## Display:

- time/year
- day (1 = MO)
- date
- 1 x date (on)
- program display
- keys 0 bis 9 for response time entries
- priority programm (P)
- switch position display On, OFF
- clearing of individual commandes
- program selector key
- 1 = battery out  
0 = timer is in
- selector key for entry or recall of date commands



## Attention:

Electrical devices should only be connected and mounted by an electrical specialist. Manipulations and modifications on the switch will result in loss of warranty.

## Connection:

Timer to be connected as per type plate. The national specifications and applicable safety regulations must be observed.

## Note:

In spite of an internal safety control, unusually strong magnetic fields can cause a disturbance of the microprocessor-controlled time switch.

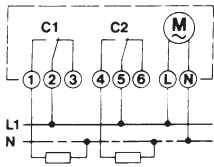
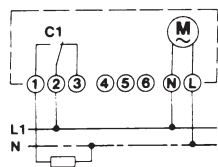
Interference can be avoided if the following details are observed during installation:

- The device should not be installed close to inductive consumers.
- A separate line for the mains should be laid (if necessary mains suppression filter).
- Inductive consumers must be interference suppressed (varistor, RC-section).

After having cleared the interference, a reset of the time switch is necessary.

## TR 617

## TR 627



## Technical Data:

Operating voltage: 230 V, ± 10 %  
Mains frequency: 50 Hz  
Own consumption: ca. 2 VA  
Contact rating: 16 (10) A, 250 V ~,  
cos φ = 1 (0,6)  
16 (10) A, 250 V ~,  
cos φ = 1 (0,6)

Time base: quartz- controlled  
Memory locations: 116

Shortest possible switching interval: 1 minute  
Switching accuracy: precise-to-the-second  
Power reserve: approx. 4 years at 20°C

Admissible ambient temperature: – 10°C ... + 50°C (– 10T50)  
Class of protection: II as per EN 60 335-1 for installation as prescribed.

Type of enclosure: IP 20 as per EN 60 529

## Interference

The time switches are in accordance with the European directives 73/23/EEC Low-Voltage Directive) and 89/336/EEC (EMC-Directive). If the time switches are used together with other devices in an installation, take care that the complete installation does not cause a radio interference.

## 1. Starting up

To start up, the battery switch must be to »1«

**Note:** Entries are only possible when the arrow for the programm display (on the display) is positioned as indicated in the operation instruction, e.g. E . The required setting is carried out by pressing v . On utilisation for the first time, please attend 1 sec. If no key entry is carried out within a certain period of time, the display automatically shows „Auto“.

## 2. Date entry/ change

Program display  
»E «  
e.g. 23.05.1998  
sequence of keys to be pressed:  
date<sup>①</sup> day month year  
8 > 2 > 3 > 0 > 5 > 9 > 8 > Enter  
① key 8 is only necessary when the date is changed.

## 3. Time setting

Program display  
»E «  
e.g. 14:58  
sequence of keys to be pressed:  
hr. min.  
1 > 4 > 5 > 8 > Enter

For TR 617 choice of channel by grey marked keys not applicable.

## 4. Programming daily /weekly progr.

Program display  
»Prog«  
e.g. switch C1 Mon – Fri 8:00 On  
v ... Prog  
C1 On Mon Tues Wed Thu Fri  
1 > 1 > 1 > 2 > 3 > 4 > 5 > Enter >  
hr. min.  
0 > 8 > 0 > 0 > Enter

e.g. switch C1 Mon – Fri 18:00 OFF

C1 OFF Mon Tues Wed Thu Fri  
1 > 0 > 1 > 2 > 3 > 4 > 5 > Enter >  
hr. min.  
1 > 8 > 0 > 0 > Enter

e.g. switch C2 daily 9:00 On

C2 On 1-7 hr. min.  
2 > 1 > 0 > 0 > 9 > 0 > 0 > Enter

## 5. Date program

Program display  
»Prog« (without priority)  
e.g. 14.08.98 C1 14:00 On  
C1 On Date day month  
1 > 1 > 8 > 1 > 4 > 0 > 8 >  
1 > 4 > 0 > 0 > Enter

## 6. Date program 1 x

Program display  
»Prog«  
**Example: C1 should turn off uniquely on 3.6. at 6 o'clock**  
1 > 0 > 8 > 0 > 3 > 0 > 6 > Enter  
0 > 6 > 0 > 0 > Enter

## 7. Priority progr.

(on holidays)  
Program display  
»P«  
(Priority program)  
e.g. plant vacation: channel C1 OFF starting 1.8. 6:00 till 22.08. 8:00  
v ... Prog  
C1 OFF<sup>②</sup> day month  
1 > 0 > 0 > 1 > 0 > 8 >

hr. min.  
0 > 6 > 0 > 0 > Enter  
day month  
2 > 2 > 0 > 8 >  
hr. min.  
0 > 8 > 0 > 0 > Enter

**Please note:** During priority program, manual switchings are only possible using permanent control. No switching preselection is possible.

»Err« when entering identical switching commands – press Enter.

② Priority program is also possible with the On-switching command. Unique priority switch orders are also possible as described in point 6.

## 8. Correction

Program display  
»Prog«, »P«, »E «  
Pressing the CI key, wrong entries can be cleared.

## 9. Recall

Program display  
»?«  
e.g. channel C1. Recall starting from Monday.  
C1 Mon  
1 > 1 > Enter > Enter ... End > Enter<sup>③</sup>  
③ Number of free memory locations are indicated. If necessary switch over to the next channel by pressing 2 . Flashing arrows indicate identical commands on other weekdays.

## 10. Recall Date Progr.

Program display  
»?«  
e.g. channel C2. Recall starting from January.  
C2 date Jan.  
2 > 8 > 0 > 1 > Enter ... End > Enter<sup>③</sup>

## 11. Individual clearing

Program display  
»?«  
By pressing CI the command indicated can be cleared.

## 12. Total clearing

Program display  
»?«  
Press both keys CI + 0 simultaneously.

## 13. Summer/winter change-over

Program display  
»S/W«  
The advertised, just programmed summer-/wintertime can also be modified or turned off.  
changing: summer on 30.03. – wintertime on 27.09.  
– begin of summertime  
CI > 3 > 0 > 0 > 3 >  
– begin of wintertime  
2 > 7 > 0 > 9 > Enter  
 **Cancelling / Restore: CL ... CL**

## 14. Switching preselection

Program display  
»Auto«  
C2 On  
2 > 1 C2 early manual switching on  
C2 OFF  
2 > 0 C2 early manual switching off  
**Note:** The subsequent counteracting program command annuls the switching preselection.

## 15. Permanent control

Program display  
»Auto«  
e.g. C2 permanent control ON/OFF/Autom.  
9 keep pressing 2<sup>④</sup> > 2<sup>④</sup> > 2<sup>④</sup>  
• On • OFF OFF (Automatik)  
④ For TR 617 press key 1