# Double channel digital weekly time switch RD-TPD2

## Description

RD-TPD2 digital time switch is used for realization of time functions in the control systems and automation. It operates according to the set time schedule planned by the user. Pulse program can be used for school or factory bell ringing.
There is an internal battery which can protect real time clock and all the settings when the electric power supply is off.

## Technical data

| | |
|---|---|
| Supply terminals | A1-A2 |
| Rated voltage | AC/DC24-264V |
| Rated frequency | 50/60Hz,0 |
| Power consumption | 2W |
| Supply volltage tolerance | ±10% |
| Number of channels | 2 |
| Number of programs | 90 |
| Programs | weekly, daily and pulse |
| Operating modes | manual, automatic, holiday |
| Summer/winter time | off, automatic changes |
| Time tolerance | ≤1s/day at 25°C |
| Power reserve | 10 year |
| Data readout | LCD display |
| Number of contacts | 2 C/O |
| Current of contacts | 16A/250V AC1 |
| Switching capacity | 4000VA/AC1,384W/DC |
| Mechanical life | $10^6$ |
| Electrical life | $10^5$ |
| Rated insulation voltage | 250V |
| Protection degree | IP20 |
| Pollution degree | 3 |
| Altitude | ≤2000m |
| Ambient temperature | -20°C~55°C |
| Permissable relative humidity | ≤50% at 40°C(without condensation) |
| Storage temperature | -30°C~70°C |
| Wire size | 1mm²~ 4mm² |
| Tightening torque | 0.5Nm |
| Mounting | TH-35 Rail(EN60715) |
| Standard | EN/IEC60730-1, EN/IEC60730-2-7 |

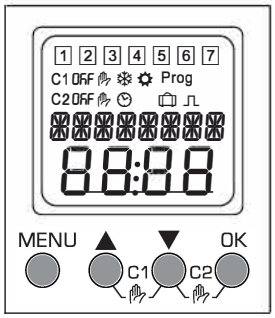
**Maximum pilotable power**

| | | | | |
|---|---|---|---|---|
| 2300W | 2300W | 1000W | 500W | 500W |

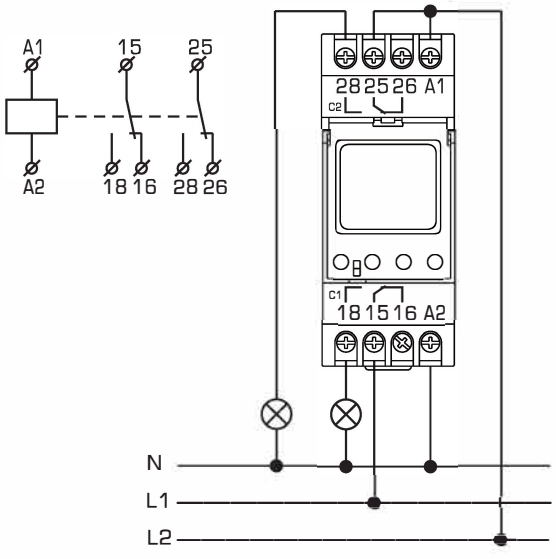
## Features

- Digital time switch with weekly program
- 10 year power reserve(lithium battery).
- 90 programs
- Sealable cover of the front panel, easy setting by 4 keys.
- Automatic summer/winter time switchover
- Back-lighted LCD display
- Holiday mode.
- Double channels (each channel can be assigned an individual program)
- Manual control by keys combination.
- Automatic transfer of weekdays
- 24-264V AC/DC input supply.
- 2 module Din-rail mounting

## Front-face panel




**Symbol legend**

1 2 3 4 5 6 7 — Days of the week Monday, Tuesday, ...Sunday
C1 — Channel 1
C2 — Channel 2
On OFF — Relay status
— Automatic mode
— Manual mode
— Holiday mode
— Winter time
— Summer time
Prog — Program setting
— Pulse setting

## Wiring diagram