

# RD-TPM1

## Application

RD-TPM series multifunction time switch is for realization of time functions in the systems of automatics and steering. It calculates the sunrise and sunset time automatically according to the set geographic position and time zone, without the use of a photocell sensor.

There is an internal battery which can protect real time clock and all the settings when the electric power supply is off.

## Data Sheet


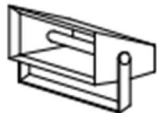
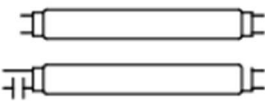
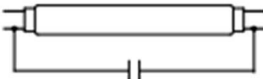

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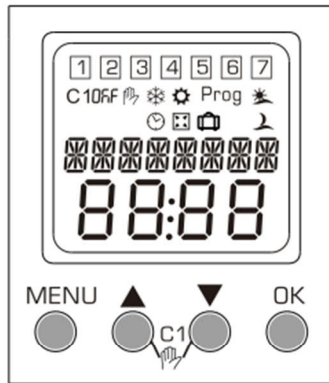
## Technical data

Supply terminals	A1-A2
Rated voltage	AC220-240V or AC/DC24-264V
Rated frequency	50/60Hz,0
Power consumption	1W
Supply voltage tolerance	±10%
Number of channels	1
Number of programs	40
Program	weekly, annual and astronomical
Mode of work	manual, automatic, holiday, random
Summer /winter time	off, automatic,changeover
Time tolerance	≤1s/day at 20°C
Power reserve	3 year or 10 year
Data readout	LCD display
Number of contacts	1C/0
Current of contacts	16A/250V AC1
Switching capacity	4000VA/AC,384W/DC
Mechanical life	10 <sup>6</sup>
Electrical life	10 <sup>5</sup>
Rated insulation voltage	250V
Protection degree	IP20
Pollution degree	3
Altitude	≤2000m
Ambient temperature	-20°C~55°C
Permissible relative humidity	≤50% at 40°C (without condensation )
Storage temperature	-30°C~70°C
Wire size	1mm <sup>2</sup> ~4mm <sup>2</sup>
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

# Front-face panel



## Symbol legend

1 2 3 4 5 6 7 — Days of the week Monday, Tuesday, ...Sunday

C1 — Channel 1

0n OFF — Relay status

☀ — Automatic mode

☾ — Manual mode

🏠 — Holiday mode

🎲 — Random mode

☀ — Sunrise

☾ — Sunset

❄ — Winter time

⚙ — Summer time

Prog — Program setting

# Wiring diagrams

