

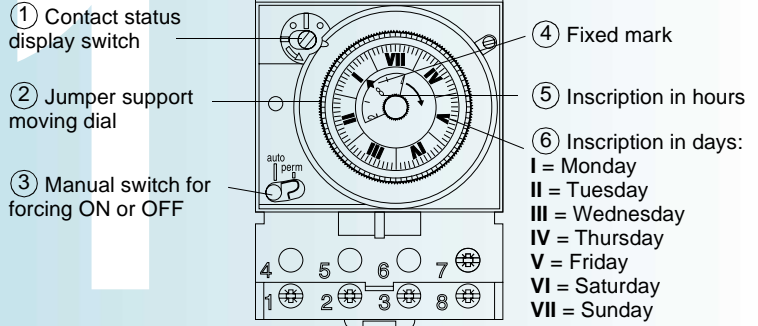
**IH**  
**7 d - 1C ARM**



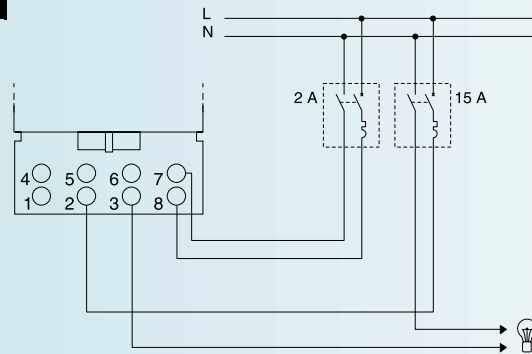
SCHNEIDER ELECTRIC

**Function**

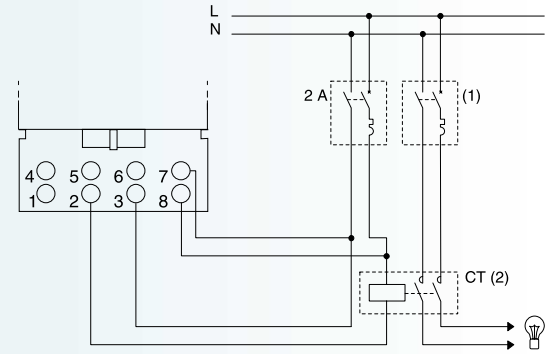
■ **Function:** the time switch automatically opens and closes a circuit according to a weekly program established by plugging jumpers onto a moving dial.



**Applications**



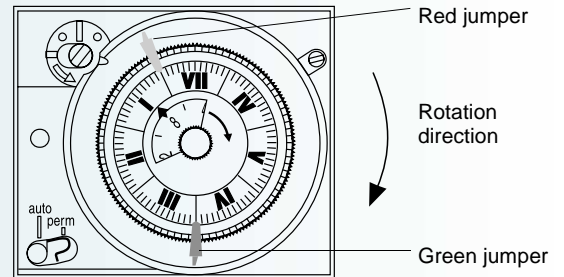
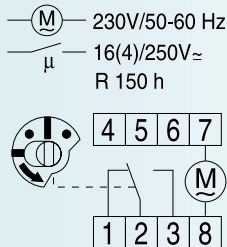
■ For loads less than 3500 W.



■ For loads exceeding 3500 W, use in conjunction with a contactor.

**Programming**

- Program the status change order of the contact by placing in turn red jumpers (load startup), contact between terminals 2 and 3, and green jumpers (load stopping), contact between terminals 1 and 2.
- Setting limits:
  - minimum gap between 2 slots on the dial (5) = 1 hour
  - minimum gap between 2 jumpers = 4 hours.



■ In the above example, the load will be on from Monday at 0h00 to Wednesday midnight.

**Setting**

- To set the day, turn the graduated dial (6) in the direction shown to bring the figure for the required day opposite the fixed mark.
- To set the hour, turn the dial (5) to bring the figure for the required hour opposite the fixed mark.
- A quartz motion (ARM) starts after a few minutes.
- Check proper operation of switching by rotating the switch (1).

**Selecting ON, OFF or automatic mode**

- Using switches (1) and (3) in conjunction with one another, the switch can be set for automatic operation, forced ON or forced OFF:
  - switch on "perm": permanent on or off (using switch (3)),
  - switch on "auto": operation as in preset program.

**Characteristics**

- Supply voltage: 230 V Ac 10%
- Frequency: 50-60 Hz
- Rating: 16 A/250 V  $\simeq \cos\phi = 1$ ; 4 A/250 V  $\simeq \cos\phi = 0.6$
- Consumption: 2.5 VA
- Quartz motion
- Operating reserve: 150 hours
- Minimum time between 2 switchings: 4 hours
- Type of setting: 1 B STU according to EN 60730
- Operating temperature: -10 °C to +50 °C
- Terminals capacity: 6 mm<sup>2</sup>
- Overall dimensions: 6 modules of 9 mm.

**Acceptable power**

incandescent lamp 230 V	1100 W
halogen lamp 230 V	1100 W
non compensated fluorescent tube/serial compensated fluorescent tube with conventional ballast	15 x 40 W - 10 x 58 W 6 x 100 W
parallel compensated fluorescent tube with conventional ballast	2 x 40 W (4.7 µF) 1 x 58 W (7.0 µF)
dual-mounted fluorescent tube with conventional ballast	5 x (2 x 58 W) - 3 x (2 x 100 W)
parallel compensated sodium vapour lamp	relay by contactor CT
parallel compensated HQL fluorescent balloon	relay by contactor CT