

# Electromechanical time switches

Electromechanical time switches with daily or weekly programming by trippers for domestic use. The NiMH battery allows a charge reserve of 150 hours and it can be replaced once depleted by opening the front cover of the instrument.



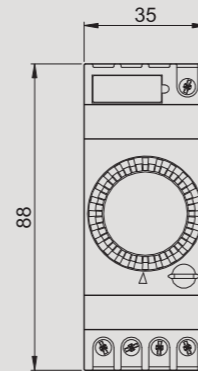
- 1 Trippers for the programming of activation time
- 2 Switch for the choice of the operating mode
- 3 Dial for time and minutes regulation
- 4 Sealable cover
- 5 Container: 2 DIN modules
- 6 Battery drawer (for replacement)



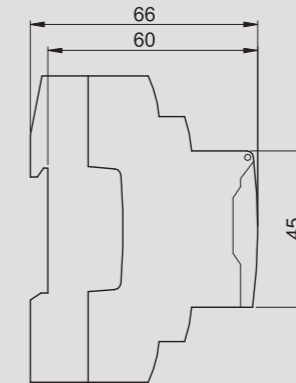
## DUET

## DIMENSIONS (mm)

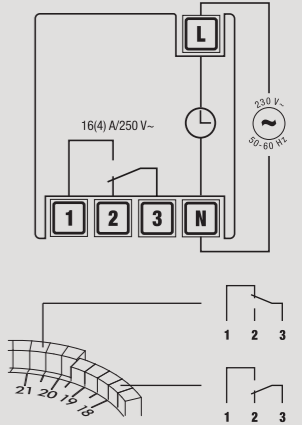
### Front view



### Side view



### Diagram



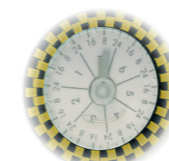
## TIME MANAGEMENT

### DAILY/WEEKLY TIME SWITCHES

- Power supply: 230Vac (-15% ÷ +10%)
- Output relays capacity: 16(4) A / 250 Vac
- Operating mode:
  - O** always OFF
  - A** automatic (according to the set programming with the trippers)
  - I** always ON
- NiMH battery (V80H type) chargeable and replaceable by the front cover of the instrument
- Charge reserve of 150 hours



- DUET-D**
- daily programming
  - 24 hours quadrant with 48 trippers
  - every tripper covers 0.5 hours (30 minutes)



- DUET-W**
- weekly programming
  - 7 days quadrant with 48 trippers
  - every tripper covers 3.5 hours (210 minutes)



## TECHNICAL INFORMATION

### GENERAL CHARACTERISTICS

|                            |          |                                               |
|----------------------------|----------|-----------------------------------------------|
| Power supply               | V AC     | 230 (-15% ÷ +10%)                             |
| Frequency                  | Hz       | 50 / 60                                       |
| Absorption                 | W        | 0.5                                           |
| Output relays capacity     |          | 16(4) A / 250 Vac                             |
| Operating precision        |          | ± 1 second/day at 23°C                        |
| Quadrant type              |          | 48 trippers                                   |
| Minimum intervention time: |          |                                               |
|                            | - DUET-D | 30 minutes                                    |
|                            | - DUET-W | 3,5 hours (210 minutes)                       |
| Intervention precision:    |          |                                               |
|                            | - DUET-D | ± 7.5 minutes                                 |
|                            | - DUET-W | ± 52.5 minutes                                |
| Charge reserve             | h        | 150 (NiMH battery chargeable and replaceable) |
| Operating temperature      |          | -10 °C ÷ +50 °C                               |
| Class of protection        |          | II                                            |
| Degree of protection       |          | IP20                                          |
| Container                  |          | 2 DIN modules                                 |

### CONNECTABLE LOADS

|                            |  |         |
|----------------------------|--|---------|
| Incandescent               |  | 3000 W  |
| Fluorescent                |  | 1200 VA |
| Low voltage halogen        |  | 2000 VA |
| Halogen (230 V~)           |  | 3000 W  |
| Low consumption lamp (CFL) |  | 1000 VA |
| Low consumption lamp (CFL) |  | 900 VA  |
| Led                        |  | 1000 VA |

| Code     | Model  | Description                          |
|----------|--------|--------------------------------------|
| VP879100 | DUET-D | Daily electromechanical time switch  |
| VE125100 | DUET-W | Weekly electromechanical time switch |

### REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low Voltage) and 2004/108/EC (E.M.C.) is declared with reference to the following Harmonized Standards: • EN 60730-2-7