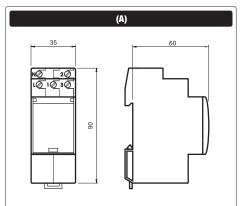


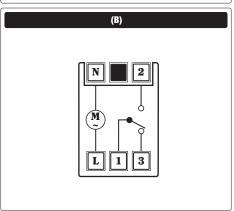
Mod. BIO-D Mod. BIO-W

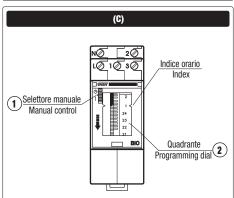
Vemer S.p.A.

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User Manual

ELECTROMECHANICAL TIME SWITCHES Read all the instructions carefully

SAFETY WARNINGS

- 1) The appliance should be installed by a competent operator
- The appliance should be installed in a panel in such a way as to guarantee that the terminals are inaccessible after fitting
- Connect the instrument as shown in the alongside diagrams
- Before touching the connector terminals make sure that the wires to be connected or already connected to the instrument are not live
- Before supplying power to the wires connected to the instrument, make sure the terminals will be inaccessible after installation
- 6) Do not power or connect the instrument if any part of it is damaged

Timed modular mechanical inserter

| Code | Model | Description | Dial | Min. switching time | No. of markers |
|----------|-------|-------------|----------|------------------------|-------------------|
| VE087300 | BIO-D | Daily | 1x24 h | 15 minutes | 96 |
| VE088100 | BIO-W | Weehly | 1x7 days | 2 h | 84 |

TECHNICAL SPECIFICATIONS

- Mechanism: step-step motor with quartz oscillator Power supply: 230 V AC (-15% / +10%) 50/60 Hz Absorption: 0,5 W $\,$
- Output: relay with exchange contact 16(4) A/250 V AC on resistant load (inductive)
- Charge reserve: 100 h after a constant charge of 48 h
- Operating precision: ± 1 s per day at 22 °C Operating temperature: -10 °C $\div +50$ °C
- Protection level: IP20
- Insulation: class II

ELECTRICAL CONNECTIONS

• Connect the instrument as shown in panel B)

OPERATING GUIDE

- Manual operation Place the cursor 1) (see panel C) in position I. The contact between terminals 1 and 2 will be permanently closed.
- Automatic operation Place cursor 1) (see panel C) in position 🕘

BIO-D PROGRAMMING (*)

- Place cursor 1) in position 🕘
- Programme the clock intervention for the 24 hour period by positioning
- the grey markers with horizontal movement from right to left Each marker corresponds to 15 minutes of operating time
- The number of markers moved determines the duration of the
- Set the current time by directly rotating the toothed part of drum 2) (see panel C) in the direction shown by the arrow

BIO-W PROGRAMMING (*)

- Programme the clock intervention for the 24 hour period by positioning the yellow markers with horizontal movement from right to left
- Each marker corresponds to 2 hours of operating time
- The number of markers moved determines the duration of the
- Set the current time by directly rotating the toothed part of drum 2) (see panel C) in the direction shown by the arrow
- (*) This operation should be carried out only when the instrument is not powered.

LEGEND

- A) Dimensions
- B) Connection diagram
- **C)** Operation

REFERENCE STANDARDS

- Conformity with Community Directives: 73/23/EEC, modified by 93/68/EEC (low voltage) 89/336/EEC, modified by 92/31/EEC and 93/68/CEE (EMC) is declared with reference to the following harmonised
- FOR SAFETY: EN 60669-2-3:
- FOR ELECTROMAGNETIC COMPATIBILITY: EN 61000-6-2 EN 61000-6-3