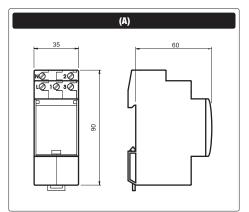


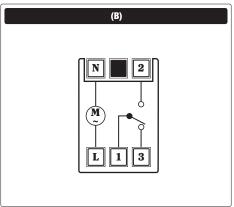
Mod. BIO-D Mod. BIO-W

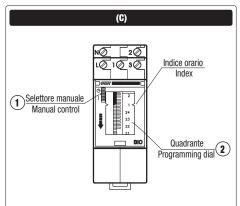
#### Vemer S.p.A.

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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:  $\pm 1$  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