

KIOUR VOLTMETER. Type MIC-VA Model MIC-VA-9,99VDC2E.



Scale: Input 0-9,99 Volt DC → 0 - 9,99 Volt. With adjustable scale. PID control, ON-OFF, Buffer zone, Limit supervision, Relay Alarm.

The device has a precision of 1%. ±1 digit, has two relays and has the following capabilities:

1. The first relay operates in PID or ON-OFF mode. The second one operates in ON-OFF mode only.
2. Ability to set the relays in heat or cooling operation
3. Ability to use one or two SET POINTS. By adjusting the parameter to **one** SET POINT mode, the second set point is added to the first one and is entrained by it
4. Zero and scale adjustment by the use of **rAn** parameter

With the above programming capabilities, the device can be adjusted for the following situations:

- 1) PID control. 2) Limit supervision. 3) Buffer zone control.

DEVICE OPERATION

1. By pressing **ENTER** button the value of the SET POINT 1 parameter is displayed
By pressing at the same time **ENTER** and up or down arrow buttons you can change the value of the parameter.
2. By pressing **SET** button the value of the SET POINT 2 parameter is displayed.
By pressing at the same time **SET** and up or down arrow buttons you can change the value of the parameter
3. By pressing at the same time up , down arrows and **SET** button you can enter the parameters menu
The first parameter **df1** is displayed.
By pressing the down arrow the next parameters are displayed as shown in the following table
By pressing **SET** button the value of the parameter is displayed. By the use of arrow buttons you can change it.
By pressing **SET** you can save the value.
To exit the parameters menu press **ENTER**.

A/A PARAMETERS - DESCRIPTION

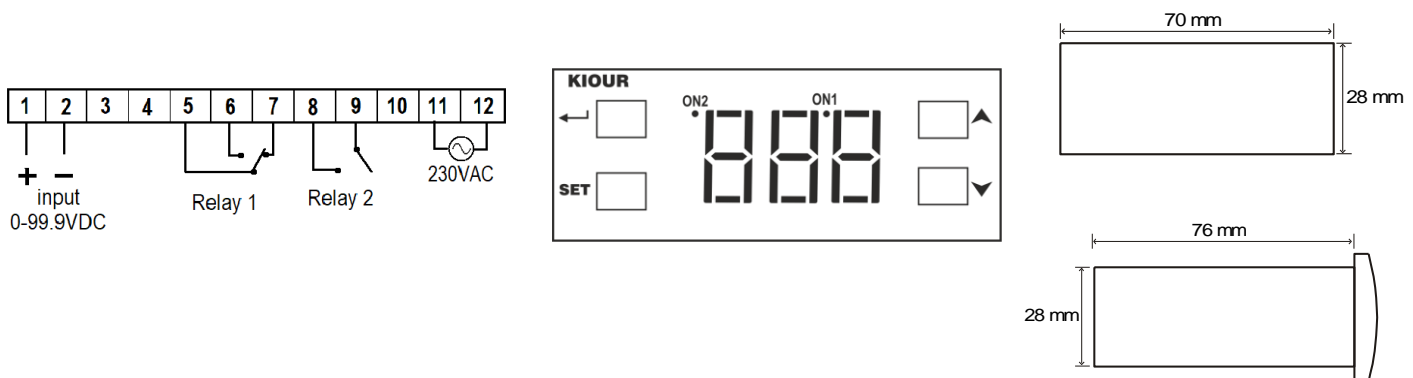
A/A	PARAMETERS - DESCRIPTION
1	rAn With a value e.g. 500 the scale changes from 0-999 to 0-500.
2	df1 Values 1 - +150. Differential of relay operation for first SET POINT.
3	df2 Values 1 - +150. Differential of relay operation for second SET POINT.
4	C_I Values 0 - +50. In PID operation the controlled value is equated exactly with the SET POINT 1.
5	oAJ Values -20 - +20. Zero adjustment for indication.
6	Con Values Pid / on-off Specifies whether the SET POINT 1 relay will operate in PID or ON-OFF mode.
7	rP1 Not in use.
8	rP2 Not in use.
9	dSP Values 1SP / 2SP. Specifies whether the device will operate with 1 SET POINT (1SP) or 2 SET POINT (2SP).
10	HC1 Values Hot / CoL. Specifies whether the No. 1 relay will operate in heat (Hot) or cooling (CoL) mode. In heating, the relay is ON under SET POINT. The opposite is true for Cooling.
11	HC2 Values Hot / CoL. Specifies whether the No. 2 relay will operate in heat (Hot) or cooling (CoL) mode

TECHNICAL CHARACTERISTICS

- Power supply: 220 Volt AC. 12 or 24 Volt AC/DC. (After request).
- Precision 0,5 % ±1 digit
- Connections with terminal blocks
- Relay 250 VAC 7 A Resistive Load. Two switch contacts.
- Operation temperature: 0 - 60°C.
- Storage temperature -10 - +80°C.
- The device is mounted through panel mode.
- It is recommended using a power supply safety fuse 0.5A not included)
- Maximum power consumption : 3 Watt.

CAUTION to prevent electrostatic discharges at the side slots of the device and sharp objects from been inserted

CONNECTIONS - DIMENSIONS



The device is under **two year's warranty** of good operation.

Terms of warranty: The guarantee is valid only if the manual instructions have been applied.

The control and service of the device must be done by an authorized technician. The guarantee covers only the replacement or the service of the device.