

EWDR 100

rel. 1/97 ing

single-phase energy counter

WHAT IT IS

EWDR 100 is a single phase energy counter.

HOW IT IS MADE

- **Housing:** with plastic 4 DIN module, front 70x85 mm
- **Mounting:** DIN guidelines
- **Connections:** terminal block for $\leq 4 \text{ mm}^2$ leads
- **Relative humidity:** from 10% to 90% (no condensing)
- **Range of measure:** 4600 W (230 V/20 A) direct insertion; 230 kW (230 V/1000 A) insertion through A.T. 1000/5 A
- **A.T. and decimal point selection:** through dip-switch
- **Accuracy:** $\pm 2\%$ F.S. ± 1 digit at 20 °C (2 F.S.)
- **Consumption:** 3 VA max
- **Power supply:** 230 Vca

MAIN FEATURES

- Visualization through 4 red display (13 mm of height)
- Plastic ABS box, 4 DIN rail, self-extinguishing
- DIN rail mounting
- Connections through clamp conductor, maximum section $\leq 4 \text{ mm}^2$
- Wave increase alarm light
- Counter manual reset
- Data maintenance in case of lack of power.

OPERATION

During operation the display shows the amount of absorbed energy, the led in the lower right of the last digit blinks for each Wh absorbed.

End of scale is 9.999 KWh or 999.9 KWh with decimal point; setting depends on the position of the first dip switch.

If the absorbed power exceeds the set scale, the display blinks.

Holding the hidden key (located under the polycarbonate film in the lower right below the KWh writing) pressed for 10 seconds the memory is zeroed and the display shows "rES"; count starts from 0000.

The reading scale can be set through micro switches from 5 A (direct connection) or 60 A, 100 A, 150 A, 250 A, 400 A, 600 A, 1000 A with external amperometric transformer.

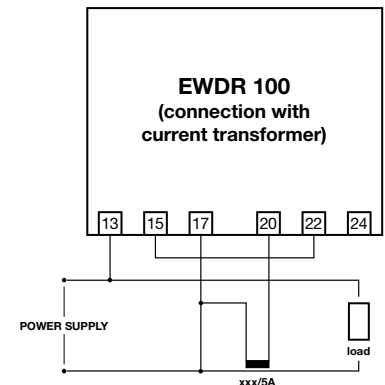
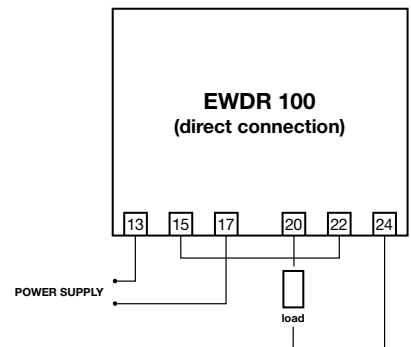
TECHNICAL DATA

Housing: with plastic 4 DIN module, front 70x85 mm.

Depth: 61 mm.

Mounting: DIN guidelines.

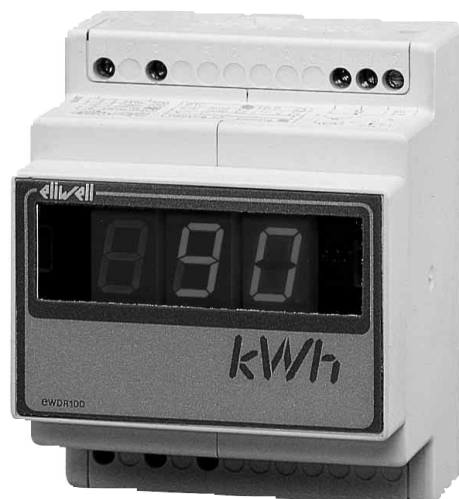
CONNECTIONS



Connections: terminal block for $\leq 4 \text{ mm}^2$ leads.

Operating temperature: $-5 \dots 65 \text{ }^{\circ}\text{C}$; (23...149 $^{\circ}\text{F}$).

Storage temperature: $-30 \dots 75 \text{ }^{\circ}\text{C}$; (-22...167 $^{\circ}\text{F}$).



Relative humidity: from 10% to 90% (no condensing).

Range of measure: 4600 W (230 V/20 A) direct insertion; 230 kW (230 V/1000 A) in section through A. T 1000/5 A.

AT . and decimal point selection: through dip-switch.

Accuracy: $\pm 2\%$ F.S. ± 1 digit at $2\text{ }^{\circ}\text{C}$ (2 F.S.).

Consumption: 3 VA max.

Power supply: 230 Vca $\pm 10\%$, 50/60 Hz.

Eliwell

via dell'Artigianato, 65
Zona Industriale
32010 Pieve d'Alpago (BL)
Italy

Telephone +39 (0)437 986111

Facsimile +39 (0)437 989066