

EWTM 101

electronic digital thermometer

WHAT IT IS

EWTM 101 is a digital electronic temperature meter with 2 and half digits.

HOW IT IS MADE

- **Housing:** plastic resin PC+ABS extinguishing grade V0
- **Dimensions:** front 32x74 mm (2.913x1.260"), depth 67 mm (2.637")
- **Mounting:** flush panel mount with mounting bracket. Panel cut-out 71x29 mm (2.78x1.14")
- **Protection:** an optional snap-on cover can be supplied to provide additional protection of the rear terminal block
- **Connections:** screw terminal block (2.5 mm²)
- **Display:** 2 digits with "-" sign; 12.5 mm LED (0.50")
- **Input:** PTC
- **Resolution:** 1 °C
- **Accuracy:** better than 0,5% of full scale
- **Power supply:** 12 Vac/dc ±15%

DESCRIPTION

EWTM 101 is a digital electronic temperature meter with 2 and half digits for applications in different fields, with a range of measurement between -55 and 99 °C. The EWTM 101 is supplied in the popular "32x74" ELIWELL.

ELECTRICAL WIRING

The instrument is equipped with an internal screw terminal block suitable for max 2.5 mm² wiring (one wire each terminal only, in compliance with VDE norms).

Make sure that the power supply corresponds with the rating shown on the instrument, i.e. 12 Vac/dc ±15%.

The 2-wire PTC type probe does not require polarity and can easily be extended by using common 2-lead wire.

It is strongly recommended to run the probe cable separate from line voltage wiring. Also, it is good practice to install the tip of the probe in upright position, to avoid moist from entering into the stainless steel sensor housing.

The coordinated European safety regulations state that the relay contacts (and generally speaking, all parts subject to dangerous voltage) shall be kept away from the very low safety voltage connections (probe, power supply) using insula-

tion systems and distances providing at least a double or reinforced insulation.

However EMC requirements for correct operation suggest/impose better accuracy in such separation by using separated insulating pipes and special cable fixing systems.

TECHNICAL DATA

Housing: plastic resin PC+ABS extinguishing grade V0.

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Mounting: flush panel mount with mounting bracket. Panel cut-out 71x29 mm (2.78x1.14").

Protection: an optional snap-on cover can be supplied to provide additional protection of the rear terminal block.

Connections: screw terminal block (2.5 mm²).

Display: 2 digits with "-" sign; 12.5 mm LED (0.50").

Operating temperature: -5...65 °C.

Storage temperature: -30...75 °C.

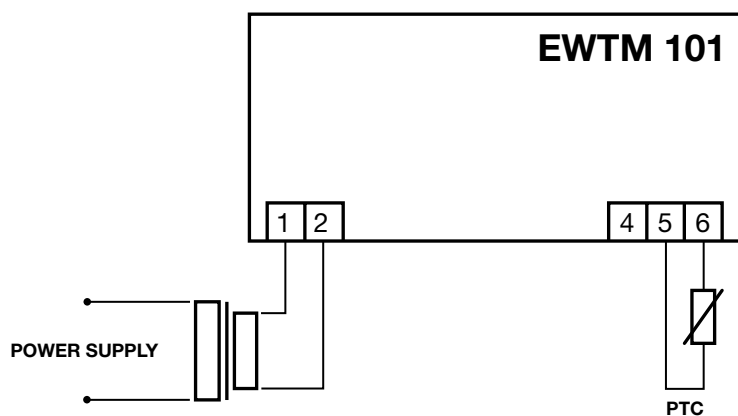
Input: PTC.

Resolution: 1 °C.

Accuracy: better than 0.5% of full scale.

Power supply: 12 Vac/dc ±15%.



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**Invensys Climate Controls s.p.a.**

via dell'Industria, 15
Zona Industriale Paludi
32010 Pieve d'Alpago (BL)
ITALY
Telephone +39 0437 986111
Facsimile +39 0437 986066
Email eliwell@invensysclimate.com
Internet <http://www.climate-eu.invensys.com>

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cod. 9FT40060