

Read this document carefully before using this device. The guarantee will be expired by damaging of the device if you don't attend to the directions in the user manual. Also we don't accept any compensations for personal injury, material damage or capital disadvantages.

ENDA ETI741 TEMPERATURE INDICATOR

Thank you for choosing ENDA ETI741 temperature indicator.

- * 72 x 72mm sized.
- * 4 digits display.
- * Selectable sensor type.
- * Input offset feature.
- * Parameter access protection on 3 levels. * Programming just by using keypad.
- * CE marked according to European Norms.
- * Measurement at °C and °F units.





TECHNICAL SPECIFICATIONS

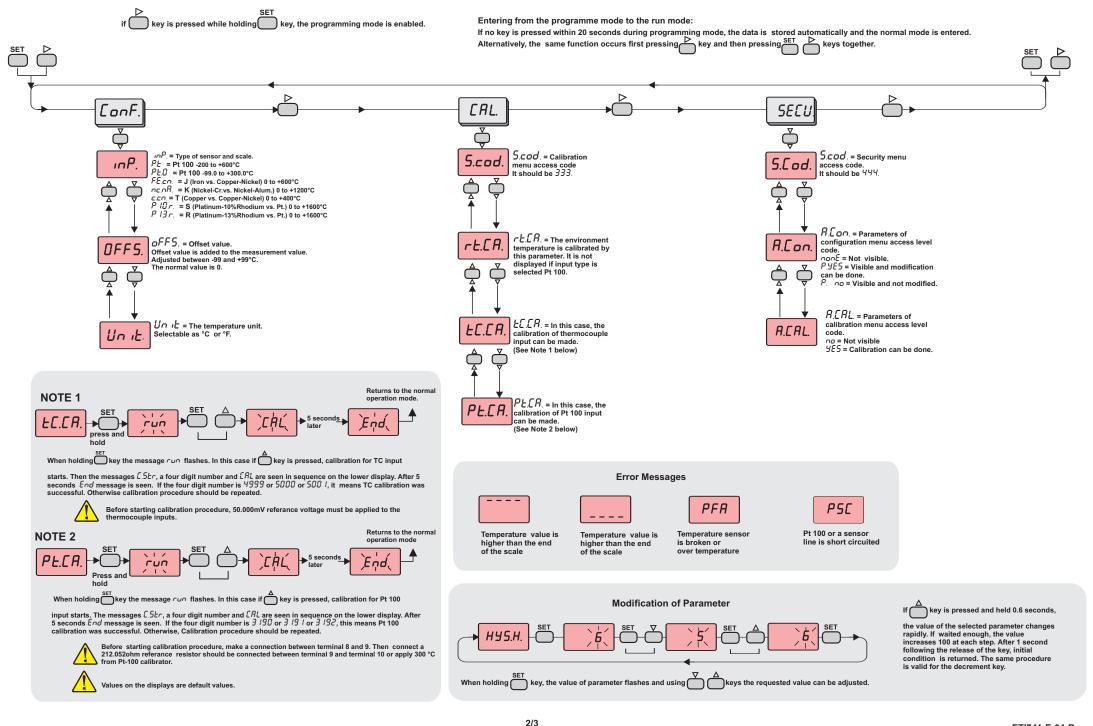
| Sensor type | | Temperature range | | Accuracy |
|-------------------------------|----------|-------------------|---------------|----------------------------------|
| | | °C | °F | |
| J (Fe-CuNi) Thermocouple | EN 60584 | 0 600°C | +32 +1112°F | ±0,2% (of full scale) ± 1 digit |
| K (NiCr-Ni) Thermocouple | EN 60584 | 01200°C | +32 +2192°F | ±0,2% (of full scale) ± 1 digit |
| T (Cu-CuNi) Thermocouple | EN 60584 | 0 400°C | +32 +752°F | ±0,2% (of full scale) ± 1 digit |
| S (Pt10Rh-Pt) Thermocouple | EN 60584 | 01600°C | +32 +2912°F | ±0,2% (of full scale) ± 1 digit |
| R (Pt13Rh-Pt) Thermocouple | EN 60584 | 01600°C | +32 +2912°F | ±0,2% (of full scale) ± 1 digit |
| Pt 100 Resistance Thermometer | EN 60751 | -200600°C | -328 +1112°F | ± 0,2% (of full scale) ± 1 digit |
| Pt 100 Resistance Thermometer | EN 60751 | -99.9300.0°C | -99.9+543.0°F | ± 0,2% (of full scale) ± 1 digit |

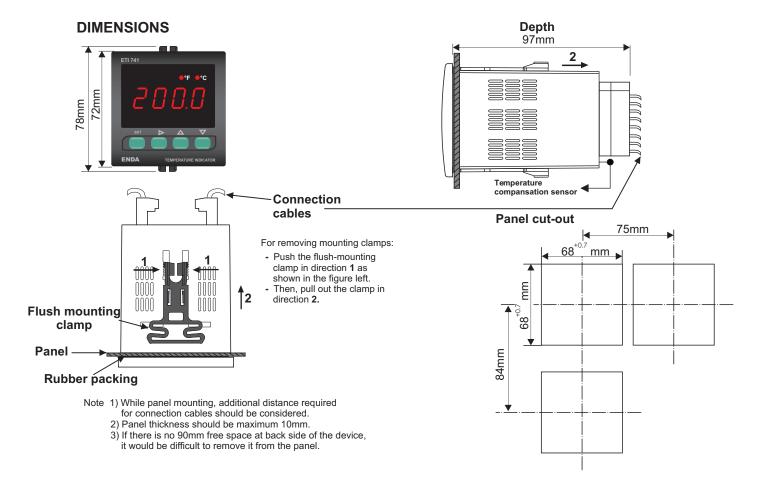
| ENVIRONMENTAL CONDITIONS | | | | |
|--|---|---------------------------------------|--|--|
| Ambient/storage temperature | 0 +50°C/-25 +70°C | | | |
| Max. relative humidity | 80% up to 31°C decreasing linearly 50% at 40°C. | | | |
| Rated pollution degree | According to EN 60529 | Front panel: IP65 Rear panel: IP20 | | |
| Height | Max. 2000m | | | |
| Do not use the device in locations subject to corrosive and flammable gases. | | | | |

| ELECTRICAL CHARACTERISTICS | | | | |
|----------------------------|--|--|--|--|
| Supply | 230V AC +10% -20%, 50/60Hz or 24V AC ±10%, 50/60Hz or optional 9-30V DC / 7-24V AC ±10% SMPS | | | |
| Power consumption | Max. 7VA | | | |
| Wiring | 2.5mm² screw-terminal connections | | | |
| Line resistance | For thermocouple max.100ohm, for 3 wired Pt 100 max. 20ohm | | | |
| Data retention | EEPROM (minimum 10 years) | | | |
| EMC | EN 61326-1: 1997, A1: 1998, A2: 2001 (Performance criterion B for standard EN 61000-4-3) | | | |
| Safety requirements | EN 61010-1: 2001 (Pollution degree 2, overvoltage category II) | | | |

| HOUSING | | | |
|--|--|--|--|
| Housing type | Suitable for flush-panel mounting according to DIN 43 700. | | |
| Dimensions | W72xH72xD97mm | | |
| Weight | Approx. 395g (after packing) | | |
| Enclosure material | Self extinguishing plastics. | | |
| While cleaning the device, solvents (thinner, benzine, acid etc.) or corrosive materials must not be used. | | | |

ETI741-E-04-R 1/3

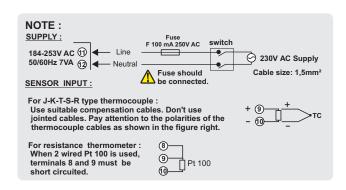




CONNECTION DIAGRAM



ENDA ETI741 is intended for installation in control panels. Make sure that the device is used only for intended purpose. The installation and electrical connections must be carried on by a qualified staff and must be according to the relevant locally applicable regulations. During an installation, all of the cables that are connected to the device must be free of energy. The device must be protected against inadmissible humidity, vibrations, severe soiling and make sure that the operation temperature is not exceeded. All input and output lines that are not connected to the supply network must be laid out as shielded and twisted cables. These cables should not be close to the power cables or components. The shielding must be grounded on the instrument side.



Note: 1) Mains supply cords shall meet the requirements of IEC 60799 or IEC 60245.

2) In accordance with the safety regulations, the power supply switch shall bring the identification of the relevant instrument and it should be easily accessible by the operator.

