The NEW "intelligent multi-channel" UNIT T512, mainly oriented to the control of motor temperature, can also be used wherever you need to monitor a maximum number of 12 independent channels (reading range -40 to 240°C).

It is equipped with 12 Pt100 inputs and 5 output relays with contacts 5A-250V (AL0-AL1-AL2-AUX1-AUX2 – clean contacts), and it allows you to set up to three alarm thresholds for each channel.

The unique 20-character LCD display allows easy programming parameters and alarm management and also to view immediately the operating data.

On request, the unit is available with certification for Canadian and American market.

All our units can also be supplied with a special coating on the electronic cards, resistant to difficult weather conditions, particularly characterized by high temperature and humidity (which are in tropical climates).

UNIVERSAL POWER SUPPLY: with input from 24 to 240 Vac-dc.

Altre versioni  | Other Versions

T512 centralina base senza uscita digitale RS485 Modbus RTU (COD. 1CN0178)  

T512 BASIC unit without RS485 Modbus RTU output (COD. 1CN0178)
Technical Specifications

Power Supply
- Rated values 24-240 Vac-dc
- Vdc with reversible polarities

Inputs
- 12 inputs RTD Pt100 3 wires (max section 2.5 mm²)
- Removable rear terminals
- Input channels protected against electromagnetic interference
- Sensor length cable compensation up to 500 m (1 mm²)

Outputs
- 5 alarm relays (AL0-AL1-AL2-AUX1-AUX2)
- 1 alarm relay for sensor fault or working anomaly (FAULT)
- Output contacts capacity: 5A-250 Vac-res COS=1
- Modbus RTU RS485 output

Tests and performances
- Assembling in accordance with CE rules
- Protection against electromagnetic noises CEI-EN61000-4-4
- Dielectric strength: 1500 Vca for 1 minute from relays to sensors, relays to power supply, power supply to sensors
- Accuracy: ± 1% full scale value ± 1 digit
- Ambient operating temperature: from -20°C to +60°C
- Humidity: 90% non-condensing
- Black anodized aluminum case
- Burden: 10VA
- Data storage: 10 years minimum
- Digital linearity of sensor signal
- Self-diagnostic circuit
- Option: tropicalization

Displaying and data management
- 1 LCD display with 4 lines of 20 characters to show the working data and program parameters
- 6 leds indicating the status of the relays (AL0-AL1-AL2-AUX1-AUX2-FLT)
- Reading temperature from -40°C to 240°C
- Alarm management from 0°C to 240°C
- 3 ALARM thresholds for each input
- Sensors diagnostic (Fcc-Foc)
- Access to programming through front keyboard
- Automatic exit from relay programming, display and test after 1 minute’s inactivity
- Possibility of setting automatic channels scanning, hottest channel, manual scanning
- Maximum reached temperatures and alarm storage

Dimensions
- 192 x 96 mm DIN 43700 prot. 220 mm (compreso morsettiera)
- Panel cut-out 188 x 92 mm

Options
- Basic Version without RS485 output