

- db dead band width:** (1÷Full Scale) this is the band below and above the set point beyond which the relay 1 respectively relay 2 are enabled. Once a output is enabled, it remains ON until the set point is reached.
- LS1 Minimum set point:** (Down Sc./ Set) Sets the minimum acceptable value for the set point.
- US1 Maximum set point:** (Set/ Full Sc.) Sets the maximum acceptable value for set point.
- ALU Maximum alarm:**
with ALC=0: alarm relative to set point, (0÷|Full Sc.-Set|) Maximum alarm is enabled when the temperature exceeds the "SET+ALU" value.
with ALC=1: absolute alarm, (Set÷Full Sc.) Maximum alarm is enabled when the temperature exceeds the "ALU" value.
- ALL Minimum alarm:** (Down Sc./ Full Sc.) **with ALC=0:** relative to set point, (0÷|Down Sc.-Set|) this value is subtracted from the set point. The alarm signal is enabled when the temperature goes below the "SET-ALL" value.
with ALC=1 (absolute) minimum alarm is enabled when the temperature goes below the "ALL" value.
- Ald Alarm delay:**(0÷999 min) time interval between the detection of an alarm condition and alarm signalling.
- dAO Delay of alarm at start-up:** (0÷999 min) time interval between the detection of the alarm condition after instrument power on and alarm signalling.
- od Output delay:** (0÷500 sec) minimum interval between the load stop and the following restart.
- LCI Start of scale with current or voltage input :** (3 digit -999÷999; 4 digit -999÷7000). Adjustment of read out corresponding to 4mA or 0V input signal.
- UCI End of scale with current or voltage input** (3 digit: -999÷999; 4 digit: -999 ÷7000). Adjustment of read out corresponding to 20mA or 1V or 10V input signal.
- LAO Lower analog output limit: (only for models with analog output)** minimum value of temperature associated to the 4mA (or 0V) analog output. This value can be absolute or relative to the Set Point 1 by setting the AOC parameter.
- UAO Upper analog output limit: (only for models with analog output)** maximum value of temperature associated to the 20mA (or 5V) analog output. This value can be absolute or relative to the Set Point 1 by setting the AOC parameter.
- OPb Probe calibration:** (-999÷999) allows to adjust possible offset of the probe.
- Ad1..Ad2: RS485 serial address (0÷94):** identifies the instrument within a control or supervising system.
- AOC Analog output configuration:**
AOC=0 Probe reading. The analog output parameters LAO and UAO are independent and correspond to the absolute read-out probe signal.
AOC=1 Probe - Set Point1. The analog output parameters LAO and UAO are related to the difference between measurement of the probe and Set Point 1.
- PbC Probe selection:** input type. For RTD or Thermocouples only: 0=Tc J; 1=Tc K (Ni100); 2=Tc S (Pt100).
- So1 Relay 1 status 1 with faulty probe:**
So1=0 open; So1=1 close.
- So2 Relay 2 status with faulty probe:**
So2=0 open; So2=1 close.
- Hdd Half digit display:** (Hdd=0 OFF; Hdd=1 ON)the right hand digit can be set to read out only 0 or 5, or to read out all values from 0 to 9.
E.g. if **Hdd= 0** the displayed values could be: 231, 232, 233... if **Hdd= 1** the displayed values could be 230, 235, 240...
- rES Decimal point ON/OFF:** (rES=0 OFF; rES=1 ON) select the resolution of the controller: with decimal point or without decimal point.
NOTE: on all models, if a unit is changed from "without decimal point" into "with decimal point", all parameters values related to the temperature (**SET, db, LS1, US1, ALU, ALL, LCI, UCI, LAO, UAO, OPb**) will automatically be **divided by 10**.
To restore the right behaviour multiplie by 10 the above parameters.
NOTE2: the decimal point selection is not available on thermocouple models.
- CF Temperature measurement unit**
0 = Celsius; 1 = Fahrenheit.
- ALC Set point alarms configuration:**
(0= relative to set point; 1=absolute) determines if alarms are relative to set point or referred to absolute values.
- SAO Analog output safety with probe fault:** determines what state the analog output should assume when the probe is faulty:
SAO = 0;analog output = 4mA or 0Vdc .

SAO = 1; analog output = 20mA or 1Vdc.

OnF Switching ON/OFF enabling from keyboard: (0 = disabled; 1=enabled) It permits the switching ON/OFF of the instrument by pressing the SET key for more than 4s.

Ptb Parameters table: (read only) Shows the factory default settings.

rEL Software release: (read only)