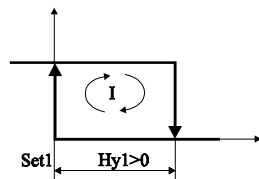
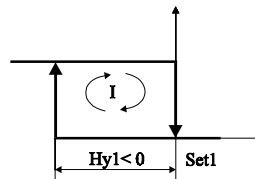


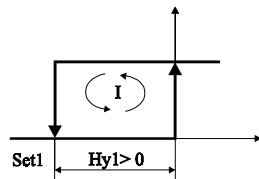
Hy1 Differential1: (Down SC./Full Sc.) Intervention differential for set point1. It can be set with positive value or with negative value. The kind of action (direct or inverse) depends on the SC1 parameter.



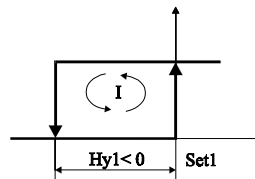
Inverse action (heating)
with differential positive



Inverse action (heating) with
differential negative



Direct action (cooling,)
with positive differential



Direct action (cooling)
with negative differential

Hy2 Differential 2: (Down SC./Full Sc.)

Intervention differential for set point2. It can be set with positive value or with negative value. The kind of action (direct or inverse) is set by the SC2 parameter.

LS1 Minimum set point1: (Down Sc./ Set1) Sets the minimum acceptable value for the set point.1

LS2 Minimum set point 2: (Down Sc./ Set2) Sets the minimum acceptable value for the set point 2.

US1 Maximum set point1: (Set1/ Full Sc.) Sets the maximum acceptable value for set point1.

US2 Maximum set point 2: (Set2/ Full Sc.) Sets the maximum acceptable value for set point 2.

ALU Maximum alarm:

with ALC=0: alarm relative to set point1, (0÷|Full Sc.-Set1|) Maximum alarm is enabled when the temperature exceeds the "SET1+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 point1, (0÷|Down Sc.-Set1|) this value is subtracted from the set point1. The alarm signal is enabled when the temperature goes below the "SET1-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.

PbC Probe selection: input type. For RTD or Thermocouples only: 0=Tc J; 1=Tc K (Ni100); 2=Tc S (Pt100).

AOC Analog output configuration: (only for models with analog output)

- 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.
- OU C Output connections** (0=dependent; 1=independent): select if the SET2 depends on SET1 (so Set2=SET1+SET2), or if SET2 is independent from SET1.
- S1C Action type output 1:** S1C=0 inverse action (heating); S1C=1 direct action (cooling)
- S2C Action type output 2:** S2C=0 inverse action (heating); S1C=2 direct action (cooling)
- So1 Relay 1 status with faulty probe:** So1=0 open; So1=1 closed
- 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:** (0=no decimal point; 1=with d. p.) select the resolution of the controller: with decimal point or without decimal point.
NOTE1: on all models, if a unit is changed from “without decimal point” into “with decimal point”, all parameters values expressed in degrees (**SET1, SET2, HY1, HY2, LS1, US1, LS2, US2, 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 models with thermocouple input.
- CF Temperature measurement unit:**
0 = Celsius; 1 = Fahrenheit.
- ALC Set point alarms configuration:**
(0= referred to set point1; 1=absolute) determines if alarms are relative to set point or referred to absolute values.
- SAO Analog output safety with probe fault: (only for models with analog output)** 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)