

CONTROLLERS SPECIFICATIONS

Set points

These instruments are supplied with 4 local set points (selectable by external contact) and an input for the remote set point (RSP).

The transfer from one set point to another may be done by a step transfer or by a ramp with two different programmable rates of rise (ramp up and ramp down)

Set point limiters: set point low limit and set point high limit programmable.

Rate of change for set point variations: from 1 to 200 digits per minute or excluded.

Digital filter: it is possible to apply a first order digital filter on the measured value by the remote set point input (RSP).
The time constant of this filter may be programmed within 0 and 8 s.

Remote set point input (optional)

The remote set point input may be programmed as trim function also (in this case, the remote set point value will be algebraically added to the selected set point value, the result will be used as operative set point).

Type: not isolated.

Scaling: programmable from -1999 to 9999, the decimal figure will be automatically positioned as for main input.

Sampling time: 500 ms.

Accuracy: $\pm 0.2\%$ f.s.v.
 ± 1 digit @ 25 °C and nominal power supply.

Temperature drift: 300 ppm/°C.

STANDARD RANGES TABLE

Input	Impedance
0 - 20 mA	5 Ω
4 - 20 mA	5 Ω
0 - 5 V	> 200 k Ω
1 - 5 V	> 200 k Ω
0 - 10 V	> 400 k Ω
2 - 10 V	> 400 k Ω

Events

All the digital outputs can be programmed as events.

It is possible to set an event choosing among the following types:

- Error condition on the main input (overrange, underrange, open or short circuit).
- Error condition on the remote set point input (RSP).
- Error condition on both measuring inputs.
- Auto/Manual mode annunciator.
- Local/remote set point annunciator.

Logic inputs (optional)

Function: these instruments may be supplied with 3 logic inputs, each one can be programmed as:

- Set point selection (SP-SP2).
- Set point selection (SP3-SP4).
- Local/remote set point selection.
- Auto/manual mode selection.
- Output limiter activation.
- Data Hold of the measured value.
- Manual reset of alarms (acknowledgement)
- Direct/reverse control action.

Input type: contact closure (voltage free).

Active contact status: close or open programmable.

HOLD function

By an external contact it is possible to stop the input sampling keeping the last measured value frozen.

