S201D / S201DP
Stabilized Power Supply with 3 ½ Digits Digital Display

GENERAL FEATURES

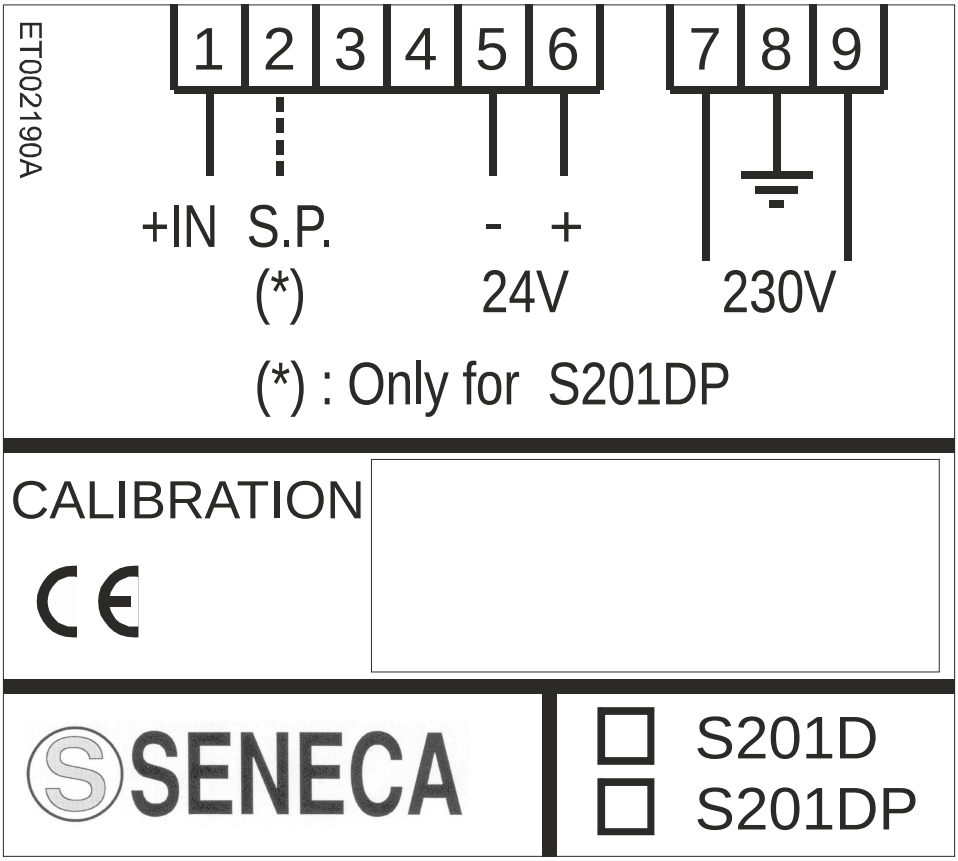
- Voltage or current input and signal ranges selectable by internal jumpers.
- View of the input instantaneous value through 3 ½ digits and high brightness display.
- View Range: -999..1999.
- Zero and Span of view settable by multiturn trimmers and internal jumpers.
- Decimal point settable by the jumpers placed in the rear of the frontal panel.
- Stabilized Power Supply: + 24 V_{DC}
- Current Set point settable by potentiometer (only for S201DP).

TECHNICAL SPECIFICATIONS

Power Supply:	230 V_{AC} ± 10 % 50-60 Hz, Consumption: 11 VA.
Voltage Input:	0..5 V, 1..5 V, 0..10 V, 2..10 V, (selected by internal jumpers), input impedance > 100 kΩ.
Current Input:	0..20 mA or 4..20 mA (selectable by internal jumpers), input impedance ~100 Ω.
Transducers power supply output:	Stabilized: + 24 V_{DC} 500 mA.
Set point Output (only for S201DP):	Current: 4..20 mA, adjustable by potentiometer (accuracy: 10 turns) on the indicator frontal panel.
Accuracy and Stability:	< 0,3 %
Stability to power supply variations :	0,01 % / 20 %
Operating conditions:	Functioning Temperature: 0..50°C. Humidity: 90% at 40°C non-condensing. Storage Temperature: -25..+60 °C.
Connections :	Removable terminals.
Protection Index :	IP20
Box material:	Nylon “V0” flame-retardant, impact-resistant.
Dimensioms, weight :	96 x 96 x 117 mm, 750 g.
Standards CE	EN61000-6-4/802 (electromagnetic emission, industrial environment) EN61000-6-2/805 (electromagnetic immunity, industrial environment) EN61010-1/801 (safety). All circuits must be insulated from the other circuits under dangerous voltage with double insulation. The power supply transformer must comply with EN60742: “Insulated transformers and safety transformers”.

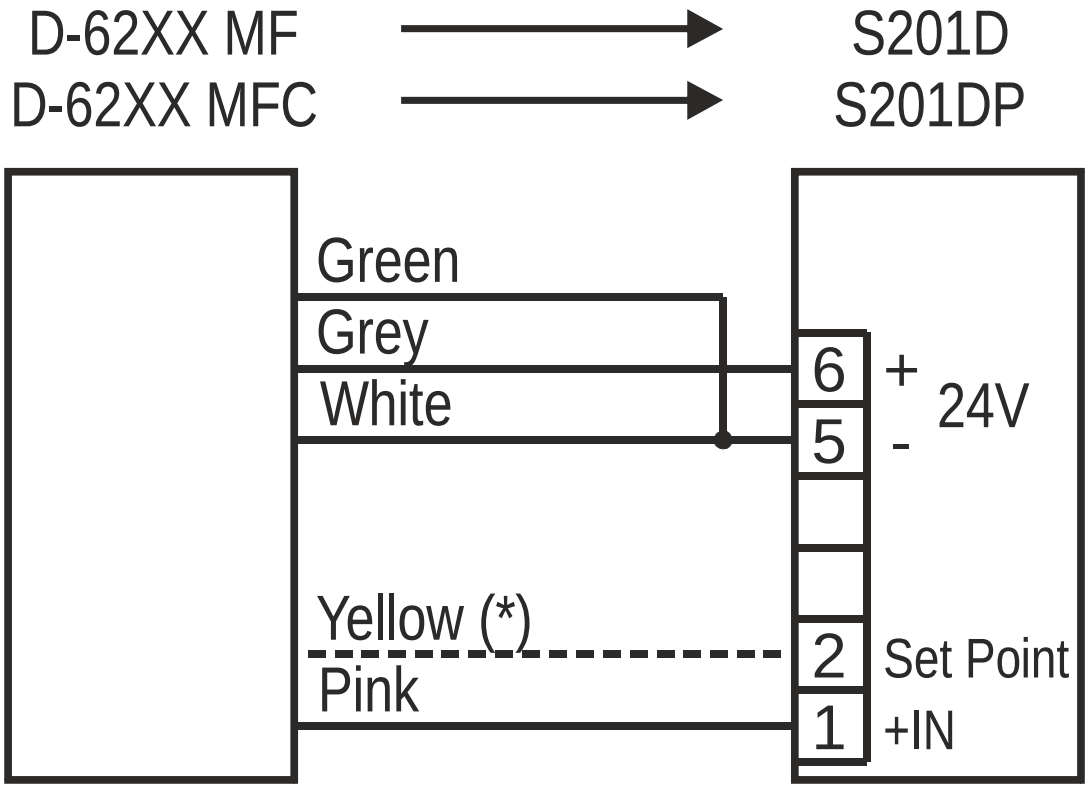
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ELECTRIC CONNECTIONS



S.P.: Set Point

Example of connection with D-62XX MF

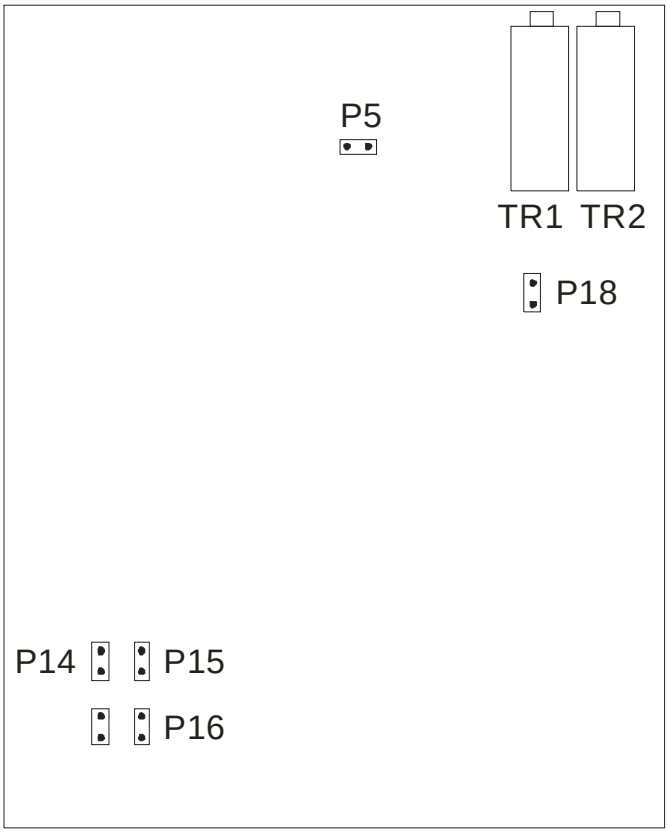


(*) connection present only with MFC and S201DP.

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SETTINGS BY INTERNAL JUMPERS AND TRIMMERS

Some jumpers and two trimmers are present on the board and allow to define some custumized settings for the instrument.
To set the jumpers it is necessary to open the indicator from the rear side by applying leverage using a screwdriver on the lateral joints and so draw the board.
The position of the internal jumpers within the board is illustrated on the below figure:



Input Type Settings

Input	Jumper P14	Jumper P15	Jumper P16	Jumper P18
0..20 mA	Closed	Opened	Opened	Opened
4..20 mA	Closed	Opened	Opened	Closed
0..5 V	Opened	Closed	Opened	Opened
1..5 V	Opened	Closed	Opened	Closed
0..10 V	Opened	Opened	Closed	Opened
2..10 V	Opened	Opened	Closed	Closed

Setting of the View Scale

To set the **scale** o**f instantaneous** display view, work on the jumper **P5**:
- closed: full-scale of display 0..1000.
- opened: full-scale of display 1000..1999.

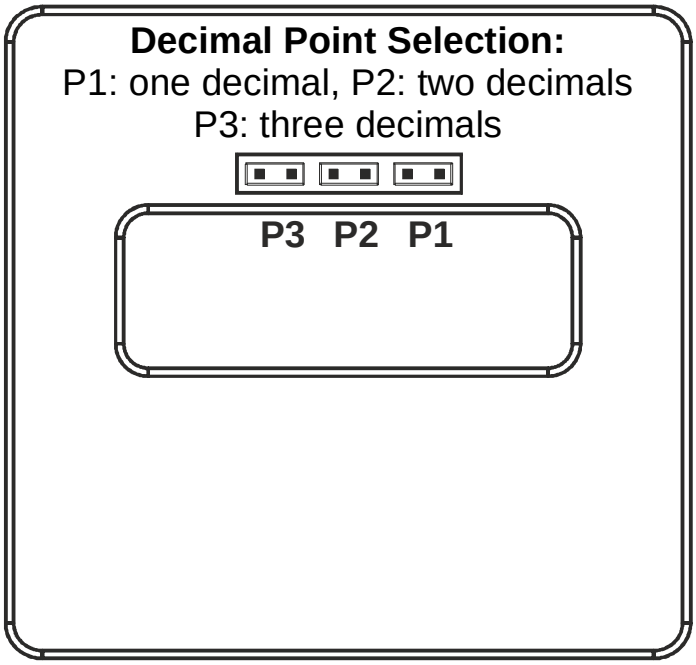
Connect a generator to the input of the instrument:
- provide the signal corresponding to the **zero-scale** (ex. 4 mA) and regulate the trimmer **TR2** up to obtain the desidered indication.
- provide the signal corresponding to the **full-scale** (ex. 20 mA) and regulate the trimmer **TR1** up to obtain the desidered indication.

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- provide the signal corresponding to the **full-scale (**ex. 20 mA) and regulate the trimmer **Tr1** up to obtain the desidered indication.

DECIMAL POINT SETTING

Three jumpers, placed in the rare of the frontal panel, define the position of the decimal point:



FACTORY SETTINGS

Before using the instrument, verify in the rear label if the indicator has already been set by the factory, for a particular input signal and a specific display view.
In this case a label is present on the calibration panel where the following informations are listed:
-input signal
-the scale of display view.
If no label is present, the instrument has the following factory settings:
-Input: 4..20 mA
-View scale: 0..1000

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EN

S200G

0 - 20 mA Stignal Generator with 3 ½ Digits Digital Display

GENERAL FEATURES

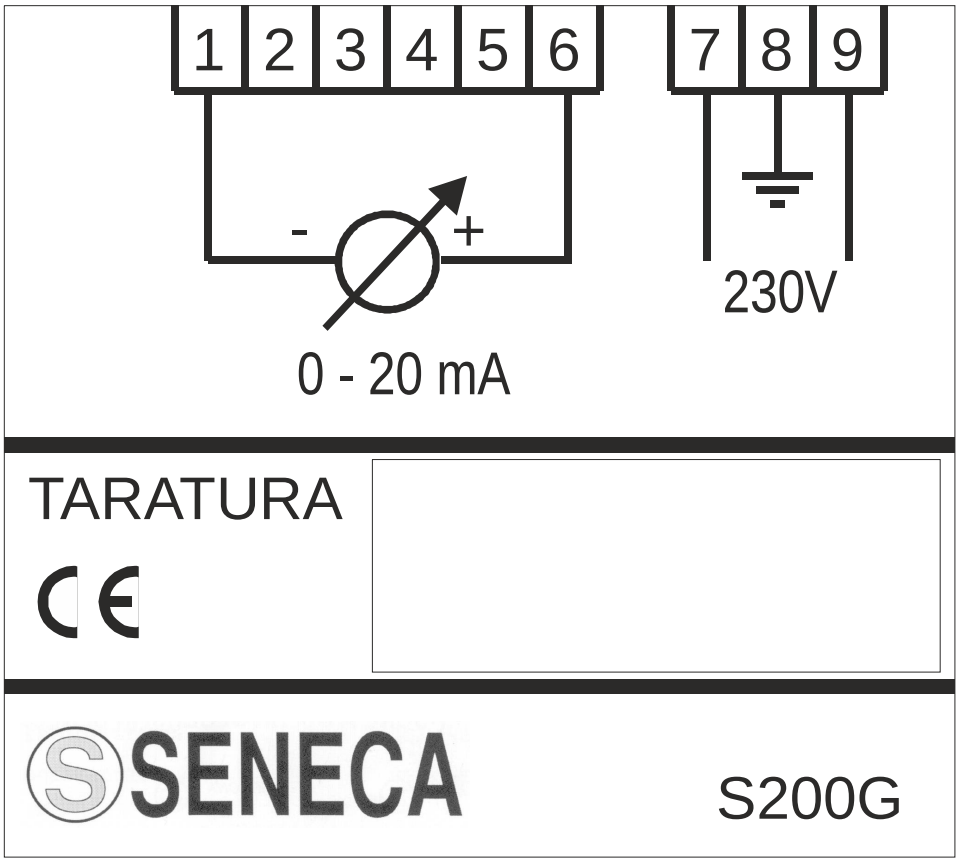
Instrument from front panel, designed to generate and display a signal from 0 to 20 mA.
The front includes multiturn precision potentiometer and 3 digit display and 1 / 2 red LED high brightness with height 14 mm.
The container is plastic V0.
Typical applications include, for example, to generate the signal for manual opening of a valve positioner.

TECHNICAL SPECIFICATIONS

Power Supply:	230 V_{AC} ± 10 % 50-60 Hz, Consumption: 7 VA.
Output:	0..20 mA with 24 V_{DC} loop power supply, Max load: 600 ohm.
Accuracy and Stability:	< 0,3 %
Stability to power supply variations :	0,01 % / 20 %
Operating conditions:	Functioning Temperature: 0..50°C. Humidity: 90% at 40°C non-condensing. Storage Temperature: -25..+60 °C.
Connections :	Removable terminals.
Protection Index :	IP20
Box material:	Nylon “V0” flame-retardant, impact-resistant.
Dimensioms, weight :	96 x 96 x 117 mm, 750 g.
Standards CE	EN61000-6-4/802 (electromagnetic emission, industrial environment) EN61000-6-2/805 (electromagnetic immunity, industrial environment) EN61010-1/801 (safety). All circuits must be insulated from the other circuits under dangerous voltage with double insulation. The power supply transformer must comply with EN60742: “Insulated transformers and safety transformers”.

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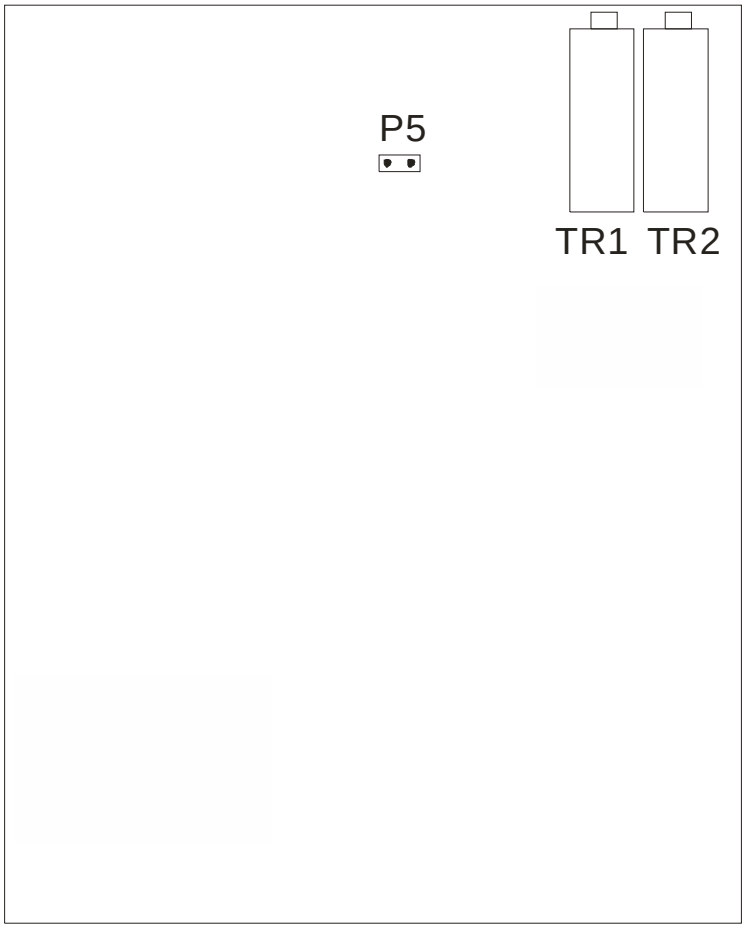
S200D: ELECTRIC CONNECTIONS



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SETTINGS BY INTERNAL JUMPERS AND TRIMMERS

Some jumpers and two trimmers are present on the board and allow to define some custumized settings for the instrument.
To set the jumpers it is necessary to open the indicator from the rear side by applying leverage using a screwdriver on the lateral joints and so draw the board.
The position of the internal jumpers within the board is illustrated on the below figure:



Setting of the View Scale

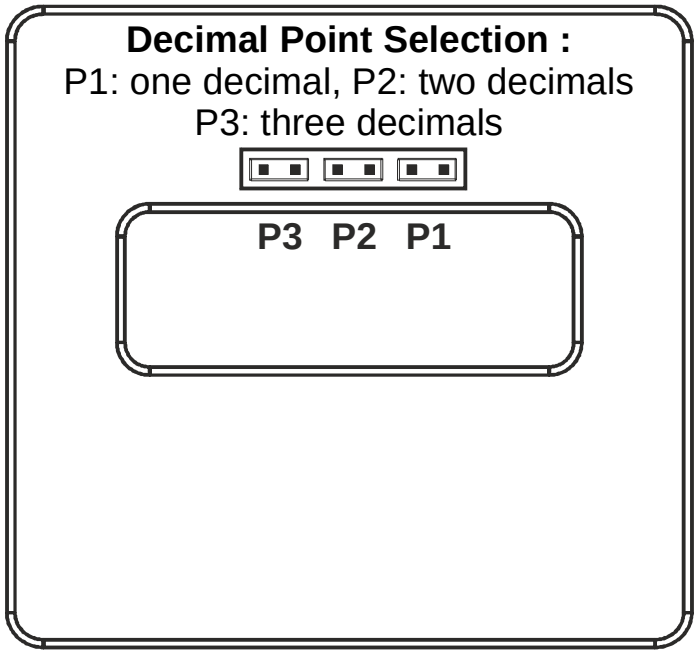
To set the **scale** o**f instantaneous** display view, work on the jumper **P5**:
- closed: full-scale of display 0..1000.
- opened: full-scale of display 1000..1999.

Short circuit between the terminals 1 and 6:
- rotate the knob fully counterclockwise corresponding to the 0 mA and regulate the trimmer **TR2** up to obtain the desidered indication.
- rotate the knob fully clockwise corresponding to the 20 mA and regulate the trimmer **TR1** up to obtain the desidered indication.

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SETTING OF THE DECIMAL POINT

Three jumpers, placed in the rare of the frontal panel, define the position of the decimal point:



FACTORY SETTINGS

Before using the instrument, verify in the rear label if the indicator has already been set by the factory, for a particular input signal and a specific display view.
In this case a label is present on the calibration panel where the following informations are listed:
-the scale of display view.
If no label is present, the instrument has the following factory settings:
- Output: 0..20 mA
- View scale: 0..19,99



Disposal of Electrical & Electronic Equipment (Applicable throughout the European Union and other European countries with separate collection programs)

This symbol, found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of this product, please contact your local city office, waste disposal service or thè retail store where you purchased this product.

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ISO9001-2000

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