S201D / S201DP

Stabilized Power Supply with 3 1/2 Digits Digital Display

GENERAL FEATURES

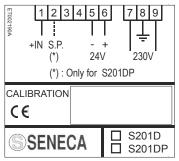
- Voltage or current input and signal ranges selectable by internal jumpers.
- View of the input instantaneous value through 3 ½ digits and high brightness display.
- View Range: -999..1999. Zero and Span of view settable by multiturn trimmers and internal jumpers.
- Decimal point settable by the jumpers placed in the rear of the frontal panel

TECHNICAL SPECIFICATIONS

Power Supply:	230 Vac ± 10 % 50-60 Hz, Consumption: 11 VA.			
Voltage Input:	0.5 V, 1.5 V, 0.10 V, 210 V, (selected by internal jumpers), input impedance > 100 k Ω .			
Current Input:	020 mA or 420 mA (selectable by internal jumpers), input impedance ~100 $\Omega.$			
Transducers power supply output:	Stabilized: +24 V _{DC} 500 mA.			
Set point Output (only for S201DP):	Current: 420 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: 050°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	EN61000-6-4/802 (electromagnetic emission, industrial environment) EN61000-6-2/805 (electromagnetic immunity, industrial environment)			
CE	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".			



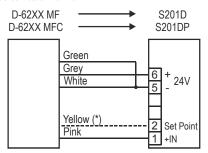
ELECTRIC CONNECTIONS



S.P.: Set Point

Example of connection with D-62XX MF

(*) connection present only with MFC and S201DP



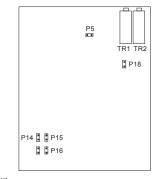
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SETTINGS BY INTERNAL JUMPERS AND TRIMMERS

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
020 mA	Closed	Opened	Opened	Opened
420 mA	Closed	Opened	Opened	Closed
05 V	Opened	Closed	Opened	Opened
15 V	Opened	Closed	Opened	Closed
010 V	Opened	Opened	Closed	Opened
210 V	Opened	Opened	Closed	Closed

Setting of the View Scale

- To set the scale of 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.

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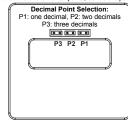
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provide the signal corresponding to the full-scale (ex. 20 mA) and regulate the trimmer Tr1 up to obtain the desidered indication.

DECIMAL POINT SETTING

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



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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S200G Display

LED high brightness with height 14 mm.

TECHNICAL SPECIFICATIONS

GENERAL FEATURES

a valve positioner

Power Supply:

Accuracy and Stability:

Stability to power supply

Output:

variations Operating conditions:

Connections Protection Index

Box material:

Standards

Dimensioms, weight

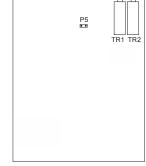
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SETTINGS BY INTERNAL JUMPERS AND TRIMMERS

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 of 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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0 - 20 mA Stignal Generator with 3 1/2 Digits Digital

Instrument from front panel, designed to generate and display a signal from 0 to 20

The front includes multiturn precision potentiometer and 3 digit display and 1 / 2 red

The container is plastic V0.

Typical applications include, for example, to generate the signal for manual opening of

Max load: 600 ohm.

Removable terminals

96 x 96 x 117 mm, 750 g.

EN61010-1/801 (safety).

< 0.3%

IP20

0,01 % / 20 %

environment)

230 Vac ± 10 % 50-60 Hz, Consumption: 7 VA. 0..20 mA with 24 Vac loop power supply,

Functioning Temperature: 0..50°C.

Humidity: 90% at 40°C non-condensing. Storage Temperature: -25..+60 °C.

Nylon "V0" flame-retardant, impact-resistant.

EN61000-6-4/802 (electromagnetic emission, industria

EN61000-6-2/805 (electromagnetic immunity, industrial

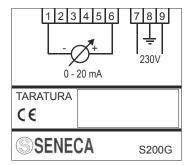
All circuits must be insulated from the other circuits under

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



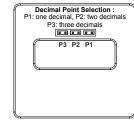


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SETTING OF THE DECIMAL POINT

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 the retail store where you purchased this product.

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