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EN

S315

Module: Advanced loop powered analog indicator with 4 digit display.

Installation	
manual	
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General description

The S315 can read input signal current (4-20 mA). Power supply is given by loop of measure. All parameters and display configuration can be set by menu. The input will be shown and scaled on 4 digit display according to the setup. S315 has an excellent resolution, precision and temperature stability. The compact dimensions allow to improve the assembly in electrical switchboard.

General features

- ✓ Power supply by loop of measure.
 ✓ Current Input 4-20mA.
- ✓ Current Input 4-20mA.
 ✓ Loop voltage drop 6,2V + (50Ω x 4-20mA).
- ✓ ADC to 16bit.
- ✓ Loop powered measure (30V Max)
- Easy navigation on the programming menu through three buttons on the front panel.
- Protection index IP65 (with the provided seal).
- ✓ Input parameters and display configuration can be setting from
- menu.

 ✓ Programming menu with password.

Technical features				
POWER SUPPLY				
	By loop			
Drop fall of voltage	Max 7 Volt			
ERRORS REPORTED TO MAXIMUM INPUT RANGE VOLTAGE AND CURRENT MEASURED:				
Resolution	16 bit, 40000 dots max			
Accuracy	0,05%			
Thermal coefficient	0,005%/°K			

Linearity error	0,05%			
Electromagnetic interference	<1%			
ENVIRONMENTAL CONDITIONS:				
Operating temperature	-10+65 °C			
Storage temperature	-30 +85 °C			
Humidity	3090 % non-condensing			
Altitude	Up to 2000 m above the sea level			
CONNECTIONS				
Terminal block	Removable 2-way screw terminals, 5,08mm pitch (Power supply)			
DIMENSION / BOX				
Size (L x W x H)	96 x 48 x 40 mm			
Weight	200 g			
Protection degree	IP 65			
Case	Plastic			
l:	SOLATIONS / STANDARDS			
Standards	EN61000-6-4/2007 (electromagnetic emission, industrial environment) EN61000-6-2/2005 (electromagnetic immunity, industrial environment) EN61010-1/2001 (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 transformer and safety transformers'			



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Installation Rules

The module is designed to be installed in the electrical switchboard. In order to ensure optimum performance and the longest working life, the module(s) must be supplied of with an adequate ventilation and no raceways or other objects that obstruct the ventilation slots. Never install modules above sources of heat.

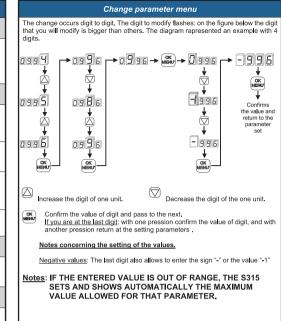
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Parameter menu				
Parameter	Function	[.O.n.F.	Default value	
PASS	Enable the password from the access menu	If you set a different value from 5477, the password (5477) will always be required at the start of menu.	5477: Disable password.	
Parameter	Function	5.C.A.L.	Default value	
L0-d	Start scale of display	Integer values between the following limits: minimum =- 1999 and maximum= 9999	0	
HI - d	Full scale of display	Integer values between the following limits: minimum =- 1999 and maximum= 9999	1000	
dP-d	Decimal point position on display	0= no decimal point 1= Decimal point in the first digit: \$\overline{O}\overlin	No deci- mal point.	
FILE	Filter level	0= no filter 15 = Active	0	
Parameter	Function	5.9.5.	Default value	
dFLL	Default set- ting	1= Overwrite the set parameter with default value and exit from menu.	0	
Parameter	Function	E.H.J.E.	Default value	
	Exit from menu	If you confirm with OK\MENU' the impostated parameter will be saved in a flash memory. The module is already ready to use with new setting.		



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Error Types	
Display	Description of errors.
	A) The value to be shown is greater than 3% regarding the value of HI - d . B) The value to be shown is greater than 9999
	A) The value to be shown is lower than 3% regarding the value of L 0 - d . B)The value to be shown is lower than - 1999





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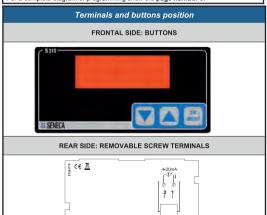
Parameter configuration example

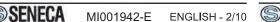
If you would set the S315 with the filter and that the display shows the minimum value at 11.11 (that match 4 mA in input) and the maximum value at 99.99 (that match 20 mA in input), following the instruction below.

• Enter upon menu pressing for 3 seconds **DOWN + MENU' /OK** until E.Q.n.F. menu appear (If is necessary enter the password). Press **DOWN** for next menu.

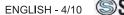
• Open 5.C.A.L. menu and modify the following parameters

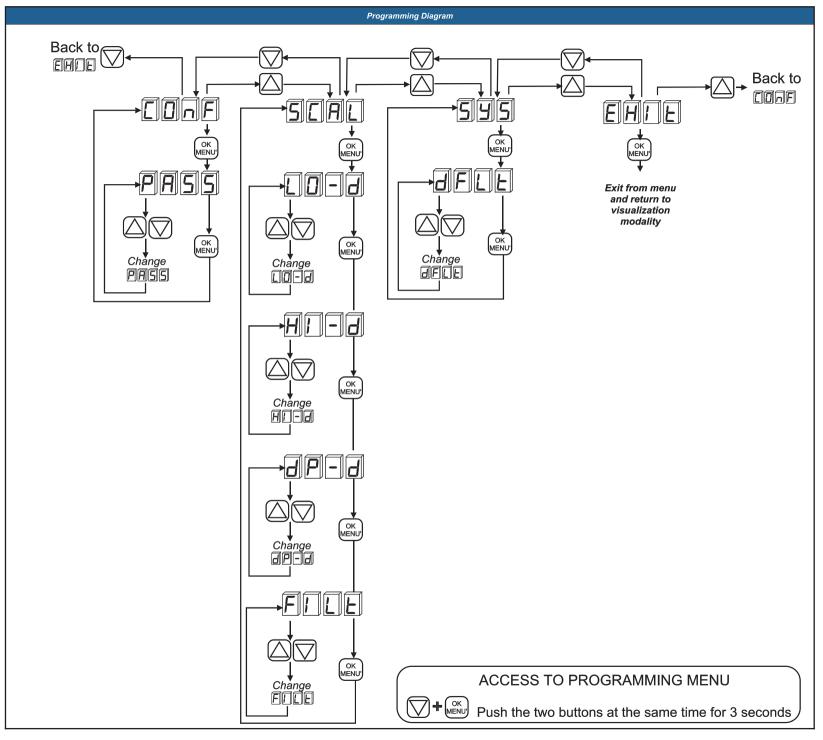
For a complete diagram of programming show the page number 9.

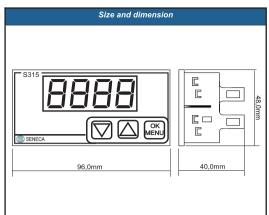














Disposal of Electrical & Electronic Equipment (Applicable throughout the European Union and other

European countries with separate collection programs;
This symbol, found no 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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