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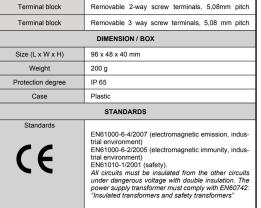
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MI001733-I-E

General description

The S311AK-4-L can read voltage (0-10 V) or current (0-20 mA) signals with or without loop powered 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. S311AK-4-L has an excellent resolution, precision and temperature stability. The compact dimensions allow to improve the assembly in electrical switchboard.

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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.

Electrical connections

POWER SUPPLY

CURRENT INPUT

VOLTAGE INPUT

0-10V

1 W

10-40Vdc

10-28Vac

The loop is powered by the sensor

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0-10V

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Linearity error

Electromagnetic interference

Sensor voltage supply

Galvanic insulation

Operating temperature

Storage temperature Humidity

0,05%

<1%

16V (Max 25 mA)

-10..+65 °C

-30.. +85 °C

ENVIRONMENTAL CONDITIONS:

30 ..90 % non-condensing

CONNECTIONS

Up to 2000 m above the sea leve

1500Vac between measure port and power supply

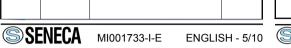
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The loop is powered by S311AK-4-L

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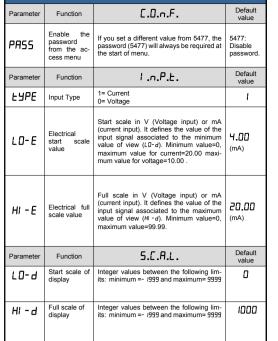
Signal + 5

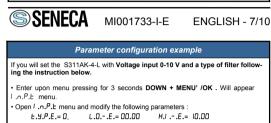
Parameter menu					
Parameter	Function	C.O.n.F.	Default value		
PASS	Enable the password from the access menu	If you set a different value from 5477, the password (5477) will always be required at the start of menu.	5477: Disable password.		
Parameter	Function	1 .n.P.Ł.	Default value		
FALE	Input Type	1= Current 0= Voltage	1		
LO-E	Electrical start scale value	Start scale in V (Voltage input) or mA (current input). It defines the value of the input signal associated to the minimum value of view (LD-d). Minimum value=0, maximum value for current=20.00 maximum value for voltage=10.00.	4.00 (mA)		
ні - Е	Electrical full scale value	Full scale in V (Voltage input) or mA (current input). It defines the value of the input signal associated to the maximum value of view (HI -d). Minimum value=0, maximum value=99.99.	20.00 (mA)		
Parameter	Function	5.C.A.L.	Default value		
LO-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 posi- tion on dis- play	0= no decimal point 1= Decimal point in the first digit: \$\Omega(\textbf{D}\Omega)\textbf{D}\Omega\textbf{D}\O	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
COnt	Contrast	03= Regulate the contrast of display.	1
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.	

	mena	new setting.					
Error Types							
Display		Description of errors.					
	Hi - d .	lue to be shown is greater than 3% regarding ue to be shown is greater than 9999	the value of				
	LO-d.	ulue to be shown is lower than 3% regarding to be shown is lower than - 1999	the value of				
		ition from nnn to UUUU : protection put > 25mA).	on from over				





Change parameter menu

The change occurs digit to digit. The digit to modify flashes: on the figure below the digit that you will modify is bigger than others. The diagram rapresented an example with 4

>n995 **->**n996 **->**0996 -> 1996

If you are at the last digit: with one pression confirm the value of digit, and with another pression return at the setting parameters .

Negative values: The last digit also allows to enter the sign "-" or the value "-1"

Notes: IF THE ENTERED VALUE IS OUT OF RANGE, THE S311AK-4L

SETS AND SHOWS AUTOMATICALLY THE MAXIMUM VALUE ALLOWED FOR THAT PARAMETER.

If you set the value of HI - E at 40.00 this automatically will set at 20.00

7996

-996

Decrease the digit of the one unit.

digits

0994

o9951

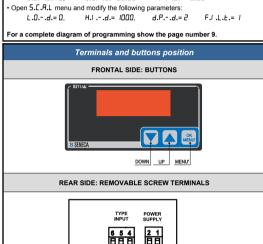
0986

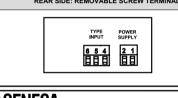
0996

Increase the digit of one unit.

Confirm the value of digit and pass to the next.

Notes concerning the setting of the values.

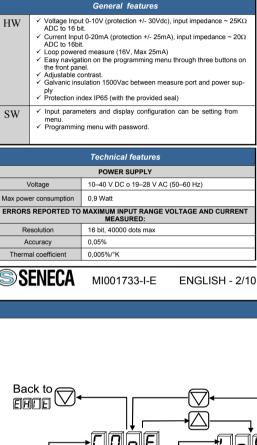


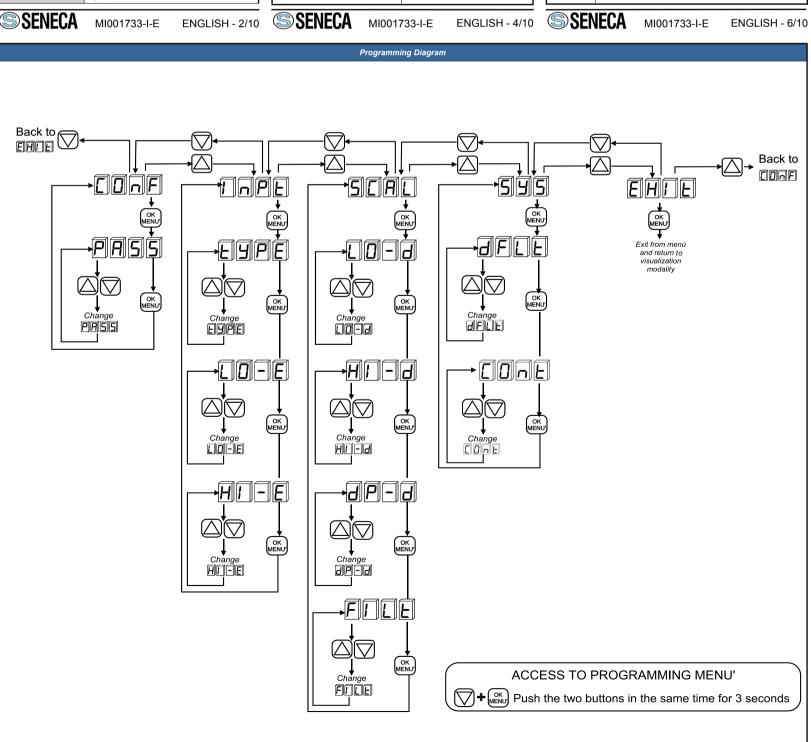


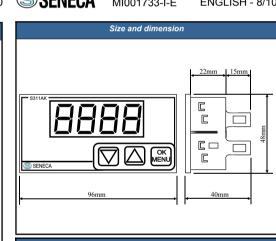


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