

7. SETTABLE VALUES FOR MULTIPLE CHOICE PARAMETERS

The various options for the multiple choice parameters are listed below. Default values are indicated with the * symbol.

7.1 C.O.n.F. (FUNCTIONING CONFIGURATION)

FunC

Selects the functioning type:
 0* = function of instantaneous value and integrator value view.
 1 = only function of instantaneous value view.
 2 = only function of integrator view.

irES

Enables the reset of the integral by panel and digital input:
 0* = enabled.
 1 = disabled.

7.2 I.n.P.t. (ELECTRICAL INPUT)

tYPE

Selects the input type among the following:

1 = Voltage	5 = TC K	9 = TC B	13 = PT100 (3 wires)
2* = Current	6 = TC R	10 = TC E	14 = PT100 (4 wires)
3 = Potentiometer	7 = TC S	11 = TC N	
4 = TC J	8 = TC T	12 = PT100 (2 wires)	

7.3 S.C.R.L. (SETTING DISPLAYED VALUE)

FAHr

Selects if the temperature will be displayed in:
 0* = Celsius degrees
 1 = Fahrenheit degrees.

FiLt

Sets the level filter. Admitted Value:
 0* = no filter
 1 ... 20.

7.4 R.L.1. / R.L.2. (ALARM 1 AND ALARM 2 SETTING)

tYPE 1 / tYPE 2

Sets the alarm type:
 0* = Inactive Alarm
 1 = Alarm on the minimum threshold
 2 = Alarm on the maximum threshold
 3 = Retained alarm on the minimum threshold (reset is not automatic)
 4 = Retained alarm on the maximum threshold (reset is not automatic).

rLY 1 / rLY 2

Sets the functioning of the correspondent relay (if optional card):
 0* = relay normally opened
 1 = relay normally closed.

7.5 O.U.t. (RETRANSMITTED OUTPUT SETTING)

tYPE

Sets the type of the retransmitted output:
 1 = 0..10 V output 2* = 4..20 mA output
 3 = 0..20 mA output 4 = integrator digital output.

7.6 b.U.S. (RS485 SETTINGS)

Addr

Selects the slave Modbus address. Values from da 1 to 255. Default: 1.

PAR

Selects the parity control of the serial communication:
 0* = None 1 = Even 2 = Odd.

dEL

Sets the response delay time. Values: 0 .. 255. 0* = no delay, 1 = 1 pause, etc.

bAUD

Sets the Baudrate:

0 = 4800	3* = 38400	6 = 1200
1 = 9600	4 = 57600	7 = 2400
2 = 19200	5 = 115200	8 = 14400

7.7 S.Y.S. (SYSTEM)

CDnt

Sets the display contrast:
 Values from 1 (minimum contrast) to 20 (maximum contrast). Default: 10.

bURN

Behaviour in case of Burn Out of PT100 or Thermocouple:
 0* = Full scale indication
 1 = Start scale indication.

7.8 d.F.l.t. (DEFAULT SETTING)

1 = Sets the default values for all the parameters.

8. SETTING EXAMPLES

8.1 Modification parameters examples

We are going to illustrate an example of Hi - d parameter modification for a 6 digits model. In this example the digit to modify, that in the real case flashes, is bordered:

Once the parameter to modify has been selected, the set value is for example:

0 0 0 9 0 0

The pressure of the DOWN button entails:

0 0 0 9 0 9

DOWN has brought the digit to the maximum value.

Now the pressure of OK/MENU buttons entails the position shift of the digit to modify:

0 0 0 9 0 9

The pressure of the UP button entails:

0 0 0 9 1 9

that is the digit has been increased of a unit.

To set a negative value, place on the most significant digit by subsequent pressures of OK/MENU button:

0 0 0 9 1 9

By pressing the DOWN button:

-1 0 0 9 1 9

The last digit is brought to the most negative value: -1.

By pressing the DOWN button:

0 0 - 9 1 9

Now the minus sign is obtained replacing the first non-useful zero of the set value.

By pressing the OK/MENU button the set value is confirmed:

0 0 - 9 1 9

A further pressure of the OK/MENU button, entails the return to the voice correspondent to the just modified parameter:

Hi - d

8.2 Integrator Setting examples

8.2.1 Example 1

To configure the integrator, access to I.n.t. sub menu and set opportunely the URLI parameter, fundamental for the correct integration. Let's suppose that we want to obtain in one hour an integral value equal to 5000 (Imp/h) and that the mean value displayed in one hour is equal to 6,000 (correspondent to Hi - d parameter value), then the value to set is: $5000 \times 9999 / 6000 = 8332.5$

Where 6000 is the value of Hi - d without decimal point.

So we set:

URLI = 08333

8.2.2 Example 2: Integrator Setting for flow-rate meter

In this example we want to set the integrator for: **Display the thousands of accumulated liters.**

Let's suppose that the mean instantaneous value (correspondent to Hi - d parameter value) displayed in one hour is: **5 liters/seconds.**

Calculation of the integral value in one hour

If 5,000 liters/sec pass, in 1 hour the instrument accumulates:

$\text{Imp/h} = 5 \text{ liters/sec} \times 3600 \text{ sec} = 18000 \text{ liters} = 18 \text{ thousands of liters.}$

Valuation of the mean value displayed in one hour (Hi - d value without decimal point)

If 5,000 liters/sec meanly pass, then the mean value displayed in 1 hour without decimal point is:

5000 (Hi - d parameter value without decimal point)

Calculation of URLI

By inserting the calculated values on the generic formula on page 8:

$\text{URLI} = 18 \times 9999 / 5000 = 360$

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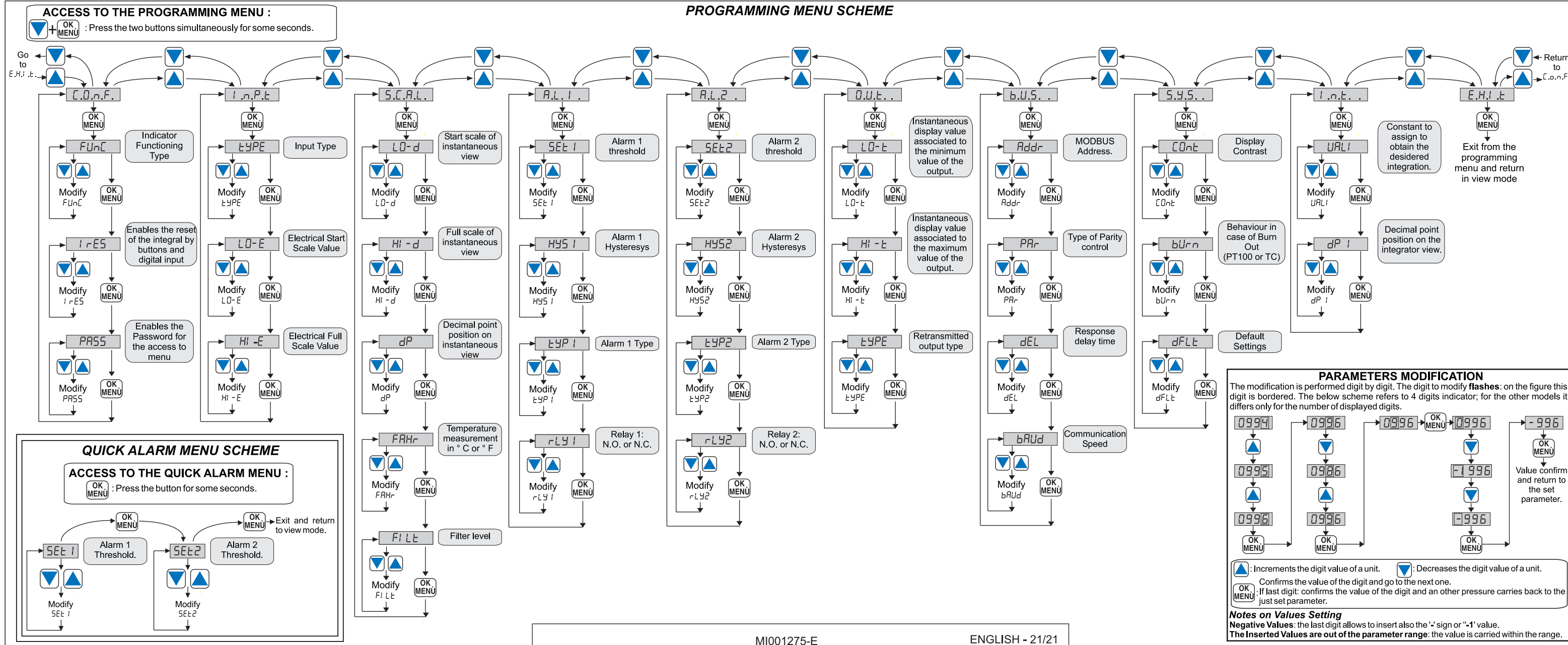
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PROGRAMMING MENU SCHEME



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