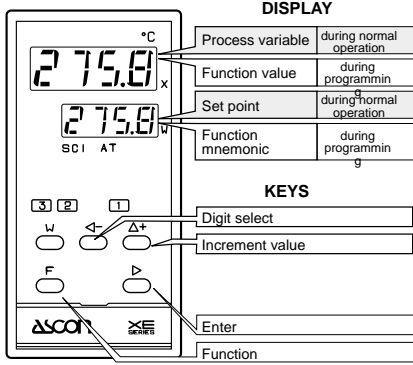
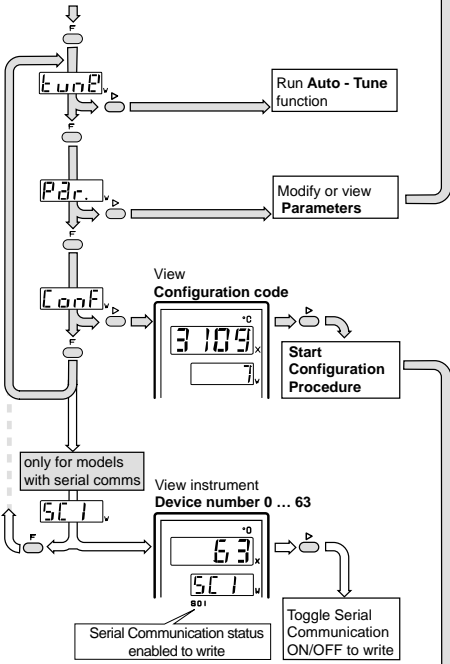


7 • PROGRAMMING INSTRUCTIONS • XE SERIES CONTROLLERS

FUNCTIONS MENU

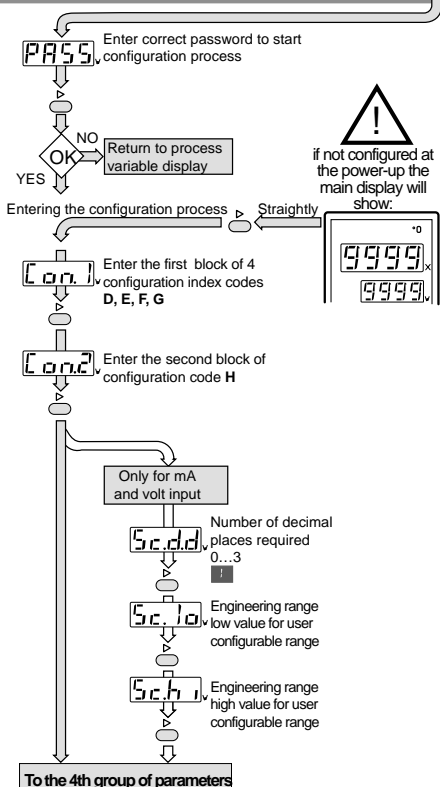


To enter function mode, press **F**



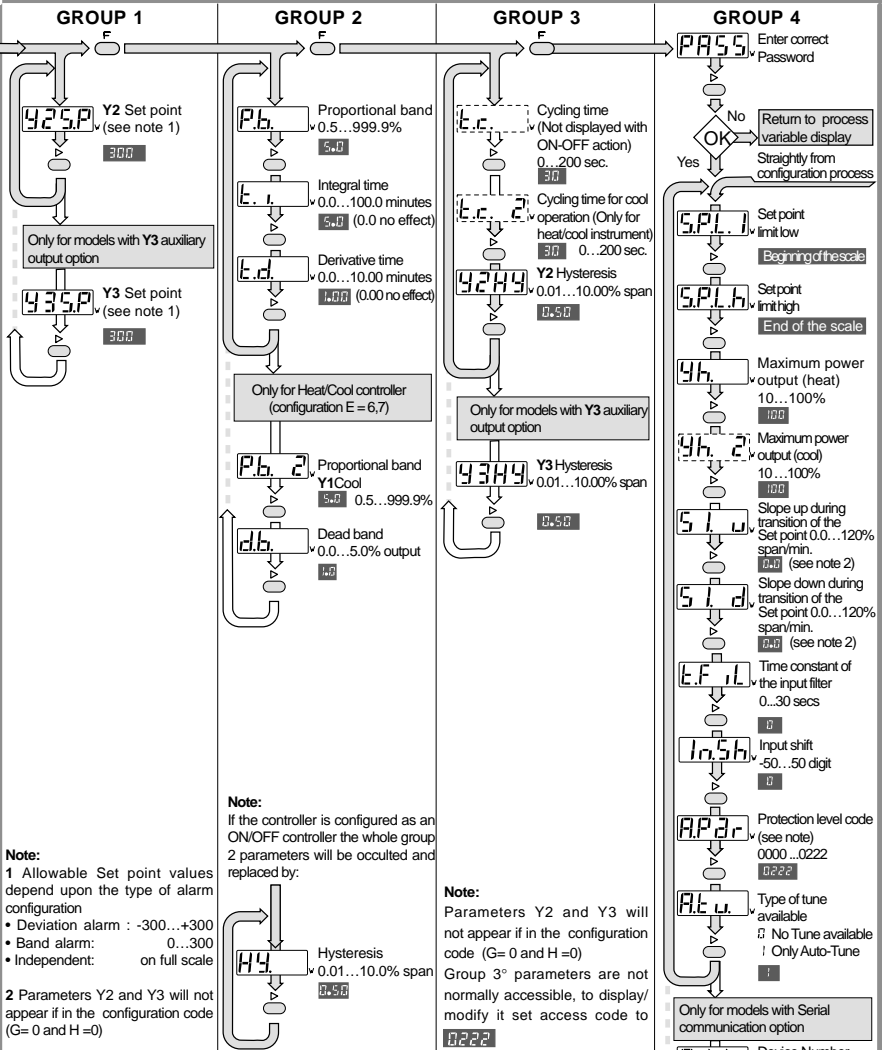
Nota: If **ESC** or **DEL** is not pressed within 10 seconds the instrument will time-out back to the process variable.

CONFIGURATION



The configuration code shall be continuously shown. There is no time-out. Exiting the configuration process you will access straightly the 4th group of parameters to modify, if necessary, Set point limits, maximum power output etc.

PARAMETERS

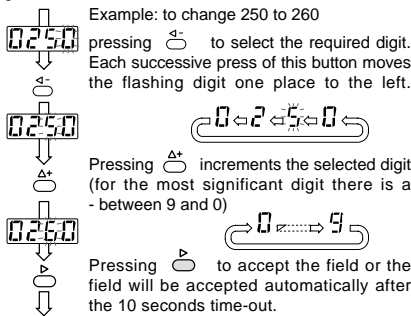


Note:
 1 Allowable Set point values depend upon the type of alarm configuration
 • Deviation alarm : -300...+300
 • Band alarm: 0...300
 • Independent: on full scale
 2 Parameters Y2 and Y3 will not appear if in the configuration code (G= 0 and H=0)

Note:
 Parameters Y2 and Y3 will not appear if in the configuration code (G= 0 and H=0)
 Group 3° parameters are not normally accessible, to display/modify it set access code to 0222

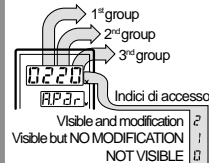
MODIFICATION OF A NUMERIC FIELD

It is possible to modify any numeric field by changing each digit in turn.



Note: ■ factory set parameters

Note: Parameter protection



CONFIGURATION CODE

Input type, scale range (1)	D	Type of output Y1 (2)	E	Type of action and safety state Y1(3)	F
RTD IEC 751	Pt100 -200...600°C 0	Relay (On-Off with hysteresis)	0	Reverse Safety 0%	0
	Pt100 -99.9...300.0°C 1	Relay with time-proportioning	1	Direct Safety 0%	1
	Type J 0...600°C 2	Logic 0/24 Vdc with time-proportioning	2	Reverse Safety 100% (Yh)	2
Thermocouple IEC 584	Type L 0...600°C 3	Time-proportioning relay	*	Direct Safety 100% (Yh)	3
	Type K 0...1200°C 4	Logic 0/24 Vdc with time-proportioning	*	Reverse Safety -100% (Yh2) *	4
	Type S 0...1600°C 5			Direct Safety -100% (Yh2) *	5
4...20mA	Conf. eng. units 6				
0...20mA	Conf. eng. units 7				
0...1 Vdc	Conf. eng. units 8				
0...10 Vdc	Conf. eng. units 9				



You can configure your instrument just entering through the keyboard an 5 characters code if at the power-up you will see 9999 .9999 that means the instrument IS NOT CONFIGURED

Notes:
 1 For mA and Volts inputs, the beginning and end of scale values can be configured in engineering unit between -999 and 9999. The minimum scale span is 100 steps. The values can be expressed in units (xxxx), in tenths (xxx.x), hundredths (xx.xx), or thousandths (x.xxx).
 2 For heat-cool control, select the outputs with * from (G-6) to (G-9)
 3 The safety state is the value assumed by Y1 in case of failure in the control loop. Actually, it is the value defining the upper limit of Y1. Safety states with * (H-4) or (H-5) impose the maximum limit to Cool action.
 4 Excluding the output option Y3 (C = 0) implies selecting (H = 0) in configuration.

Type of Set point and control mode output Y3 (4)	H	Type of Set point and control mode output Y2	G
Disabled	0	Disabled	0
Deviation with startup inhibition	Active high 1	Deviation with startup inhibition	Active high 1
	Active low 2		Active low 2
Band	Active outside 3	Band	Active outside 3
	Active inside 4		Active inside 4
Independent	Active high 5	Independent	Active high 5
	Active low 6		Active low 6
Deviation	Active high 7	Deviation	Active high 7
	Active low 8		Active low 8
Cool - Heat	9	Loop - Break - Alarm	9