DITEL: PRODUCTS: DIGITAL STARS: **8110XY09**

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DESCRIPTION

Model 811 panel indicators for process control are instruments that readout process variables directly in engineering units, with four standard inputs for transducers / transmitters with voltage output.

The display range may be factory-set if specified at the time of order or later be user-configured by means of internal plug-in jumpers . Final zero and span adjust potentiometers (±20% margin) and decimal point location are accessible from the front of the meter by removal of the lens.

Power and signal connections are made via a 6-pin MAT-N-LOK AMP connector located at the rear of the unit.

They are simple, low cost indicators, without output or setpoint option, easy to install and put into operation.

SELECTION GUIDE

8110	X	Y	0	9
INPUT				
0-1V DC	1			
0-5V DC	2			
0-10V DC	3			
1-5V DC	4			
UPON REQUEST	9			
SUPPLY POWER				
115V 50/60Hz		1		
230V 50/60Hz		2		
12V DC ISOLATED		4		
24V 50/60Hz		7		
24V DC ISOLATED		8		
SILKSCREENED UNIT				

ORDERING EXAMPLE

8110 3209 E50: Process voltmeter Series 800 Power: 230V AC (50/60Hz)
Input: 0-10V DC Unit: bar Format 96x48mm 3½ digits

SPECIFICATIONS

INPUT SIGNAL

Configuration	differential asymmetrical
Maximum allowable voltage	Vmax.(IN)
Input Impedance	> 1Mohm

INPUT Vmáx. (IN)	0-1V ± 5VDC	0-5V ± 50VDC	0-10V ± 50VDC	1-5V ± 50VDC

Common mode max. voltage (signal/power):
AC Voltage:1000V DC or 1500V ACpp
DC Voltage: ± 400V DC

POWER

Supply voltages	
- AC (50/60Hz) :	24, 115, 230V AC
- DC (isolated) :	12, 24V DC
maximum isolation:	1000V DC ó 1500V ACpp
Consumption	3W nominal

ACCURACY

Resolution	0.05% F.S.
Maximum error	0.10% F.S. ± 1 digit

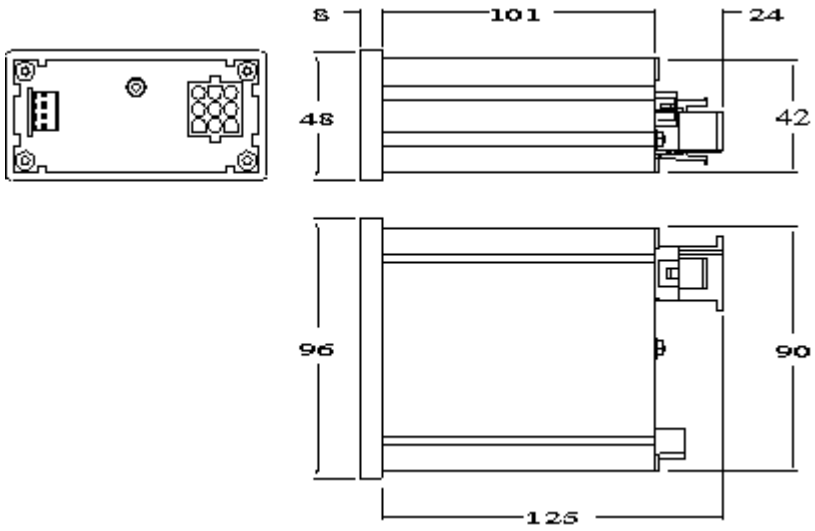
DISPLAY

Type	red LED (0.56") 14mm. high
Resolution	2000 counts (3½ digits)
Overrange	1999. (3 L.S.D. blanked)
Polarity	automatic (±) sign
Reading rate	4 per second

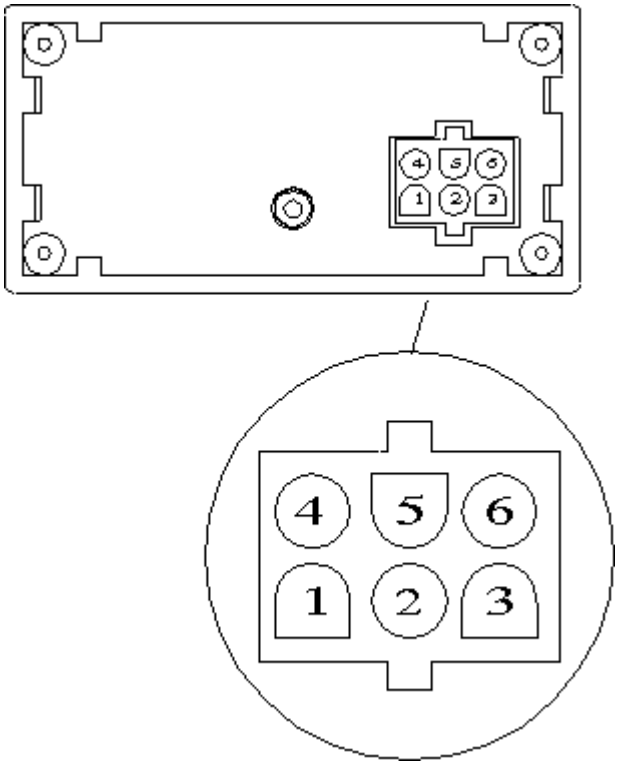
GENERALES

Operating temperature	0° to 50°C
Storage temperature	-25° to +85°C
Relative humidity	max. 95% (non condensing)
Weight	300g
Dimensions	96x48x110mm. (s/DIN 43700)
Panel cutout	92x45mm. (s/DIN 43700)
Case material	94 V-0 UL-rated polycarbonate

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION



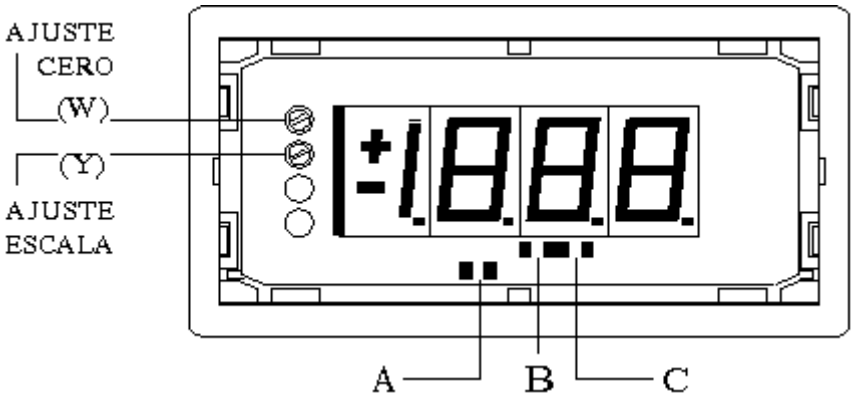
Input signal
PIN 1 Spare
PIN 2 Input signal (+)
PIN 3 Input signal (-)
PIN 5 Spare

AC power supply
PIN 4 AC HI
PIN 6 AC LO (neutral)

DC power supply
PIN 4 DC positive (+)

PIN 6 DC negative (-)

SETUP AND CALIBRATION

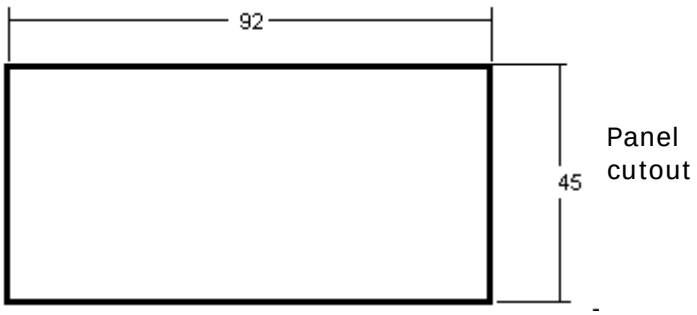


Jumper	Display
A	1.999
B	19.99
C	199.9
none	1999

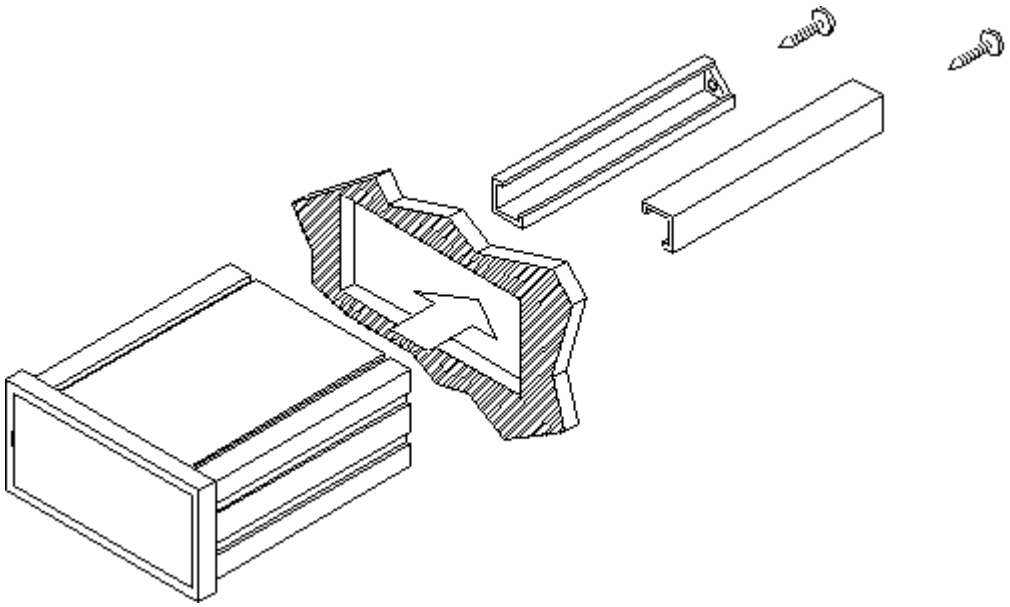
The **zero adjust** corresponds to the potentiometer (W) located to the upper, left side of the display. Turning clockwise decreases the display reading. The adjustment margin is ±200 counts.

The **span adjust** corresponds to the potentiometer (Y) located below the zero potentiometer. Turning clockwise increases the display reading. The adjustment margin is ±20% of F.S.

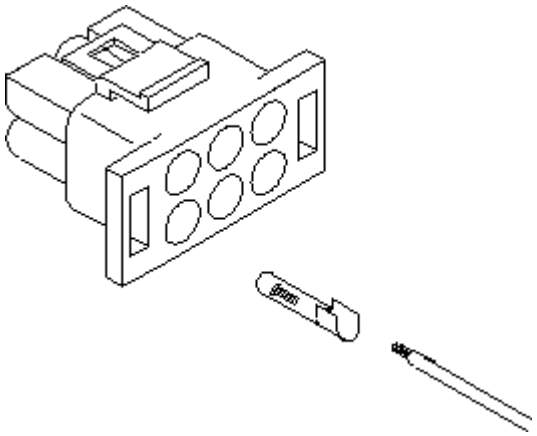
MOUNTING



Min.thickness: 0.8mm
Max.thickness: 10mm



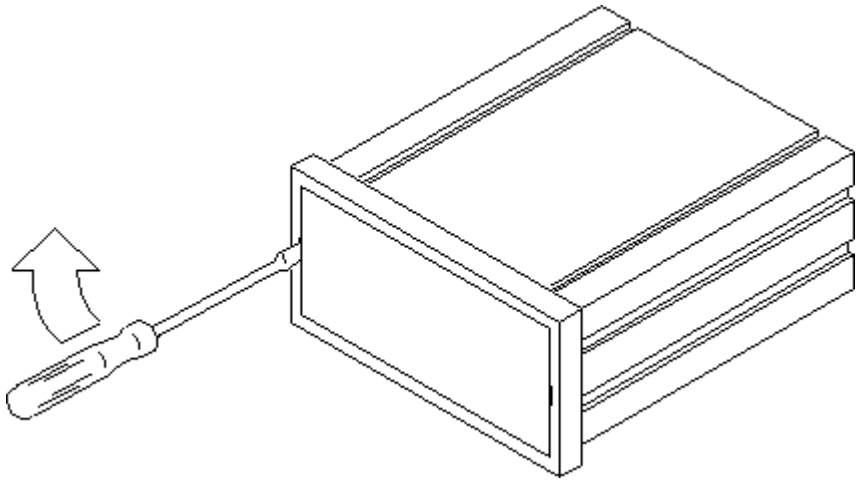
CONNECTORS



Signal and power connector :
MAT-N-LOK AMP 6 pins

Contacts assembly :
Hand tool AMP reference 90277-1

ACCES TO CALIBRATION



Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally as it is shown in the figure until the lips disengange.
For further configuration unscrew the rear nut to take the circuits out from the front of the case.
To reinstall lens, insert it completely from one side and press from the other until it is fitted.

Warranty:
Press the icon to see it.

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