DITEL: PRODUCTS: DIGITAL STARS: **711SXY09**

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DESCRIPTION

Model 711S panel indicators for process control provide sizeable zero and span capabilities for direct readout in engineering units.

Their input option is jumper-configurable for the most popular voltage process signals such as 0-1V, 0-5V, 0-10V, 1-5V, 0-100mV or user-selected ranges. Fully configured at fabrication, it is possible to change later the scale and the decimal point location by means of plug-in jumpers and readjust zero and span by two potentiometers which are accessible behind lens.

These indicators are available in 700 or 7000 series. The latter provides one analog setpoint that can be made to operate with two modes of ON/OFF commutation and switching hysteresis.

SELECTION GUIDE

711	S	X	Y	0	9
PRESET / RELE					
NO SETPOINT (series 700)	0				
SETPOINT (series 7000)	4				
INPUT TYPE					
0-1V DC		1			
0-5V DC		2			
0-10V DC		3			
1-5V DC		4			
0-100mV DC		7			
UPON REQUEST		9			
SUPPLY POWER					
115V 50/60Hz			1		
230V 50/60Hz			2		
12V DC AISLADA			4		
24V 50/60Hz			7		
24V DC AISLADA			8		
SILKSCREENED UNIT					

ORDERING EXAMPLE

7114 3209 D50 : Process voltmeter Series 7000
Supply power: 230V AC (50/60Hz)
Input type: 0-10V DC. Unit: mbar
1 potent. adjustable analog setpoint

SPECIFICATIONS

INPUT SIGNAL

Configuration	differential asymmetrical
Input range	selectable by jumpers
Input impedance	> 1Mohm
Inputs	0-1V, 0-5V, 0-10V, 1-5V, 0-100mV
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 or 1500V ACpp
Consumption	2.5W nominal

ACCURACY

Resolution	0.05% F.S.
Maximum error	0.1% F.S. ± 1 digit

DISPLAY

Type	red LED (0.4") 10mm. high
Display range	adjustable by zero and span potentiometers
Decimal point	selectable by jumper
A/D conversion technique	dual slope
Reading rate	3 per second

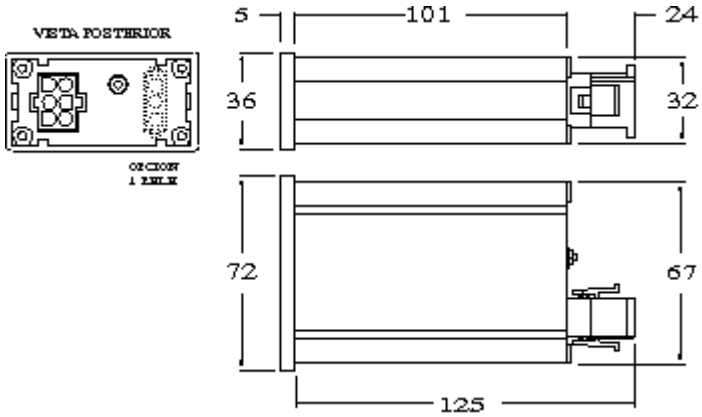
ENVIRONMENTAL

Operating temperature	0° to50°C
Storage temperature	-25° to+85°C
Relative humidity	max. 95% (non condensing)
Weight	310g
Dimensions	72x36x110mm. (s/DIN 43700)
Panel cutout	68x33mm. (s/DIN 43700)
Case material	94 V-0 UL-rated polycarbonate

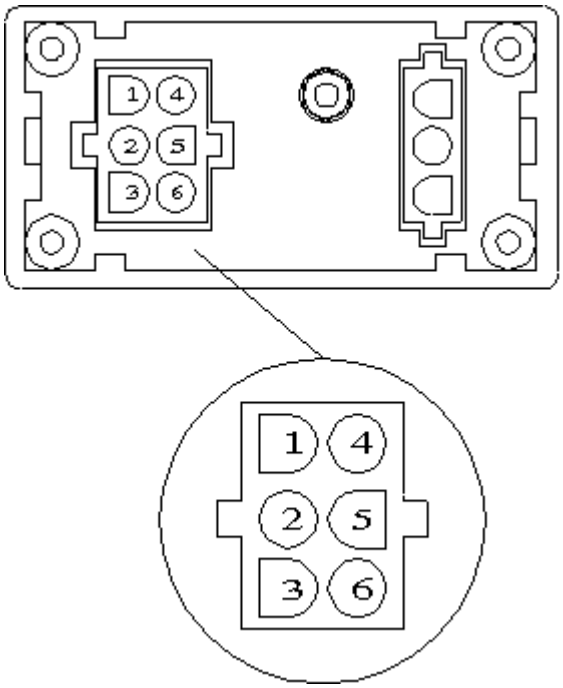
OPTIONS (SERIES 7000)

1 front panel screwdriver-adjustable setpoint with two modes of ON/OFF control and switching hysteresis. SPDT relay (8A @ 250VAC or 8A @ 40VDC).

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION

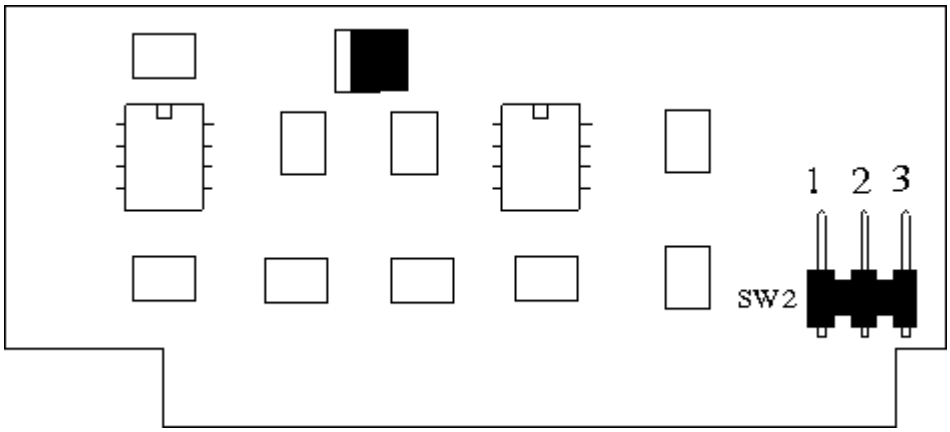


Input signal	
PIN 1	Spare
PIN 2	Input signal(+)
PIN 3	Input signal(-)

Power AC	
PIN 4	AC HI
PIN 5	Spare
PIN 6	AC LOW

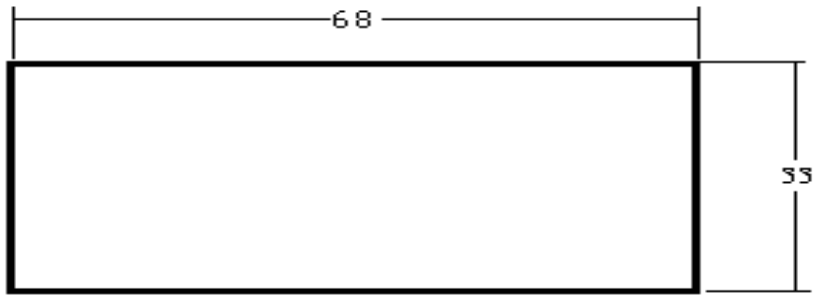
Power DC	
PIN 4	Positive DC (+)
PIN 5	Spare
PIN 6	Negative DC (-)

SCALING



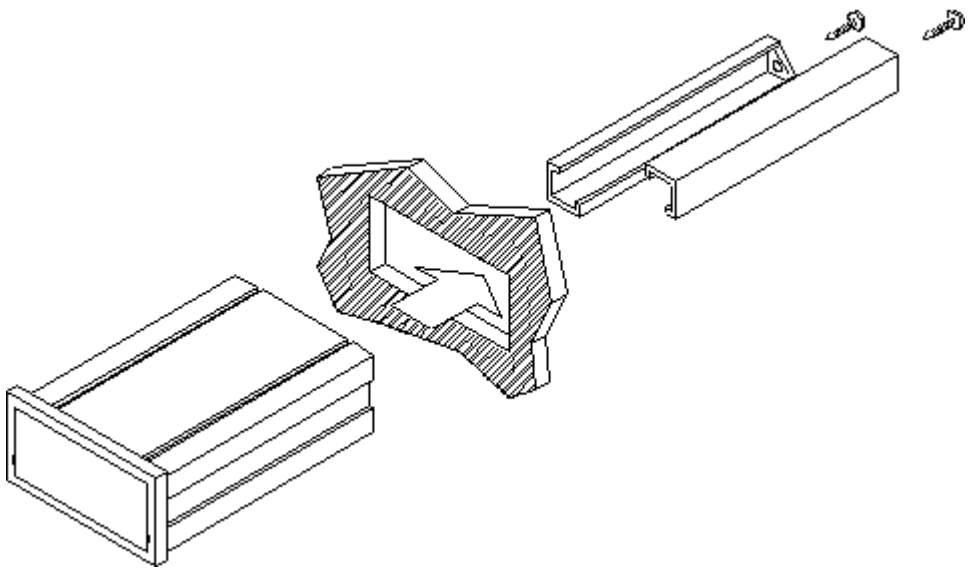
To obtain a specific display range corresponding to a specific signal range, adjust the zero potentiometer to get the display reading at minimum input and the span potentiometer until the display reads the desired value for maximum input. Repeat these operations until the proper readout is obtained at both extremes. Place finally the decimal point.
If the display readout is to go down as the input signal increases (negative gain), place the jumper 2-3 of SW2, for positive gain, place jumper 1-2.

MOUNTING

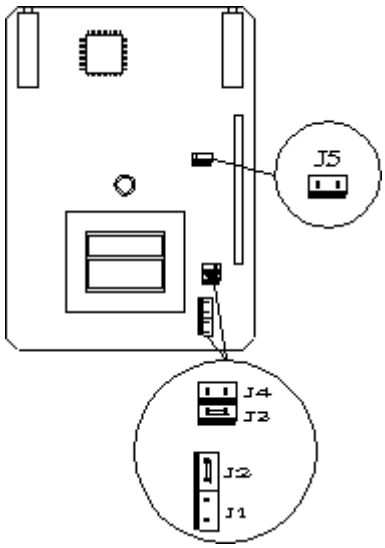


Panel cutout

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



INPUT CONFIGURATION



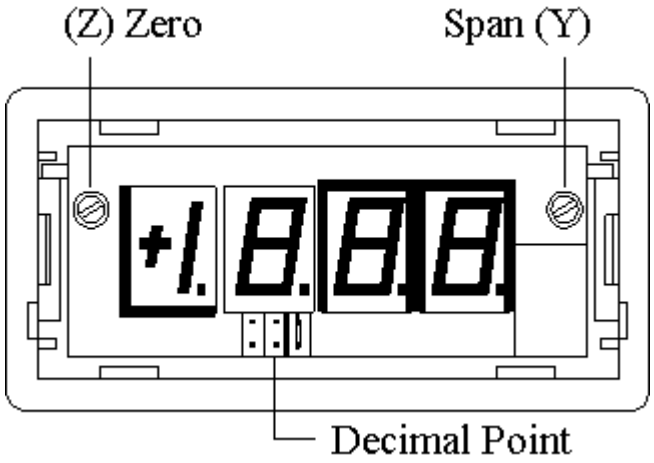
Input	Jumpers
0-1V	none
0-5V	J3
0-10V	J4
1-5V	J3
0-100mV	J1, J2, J5

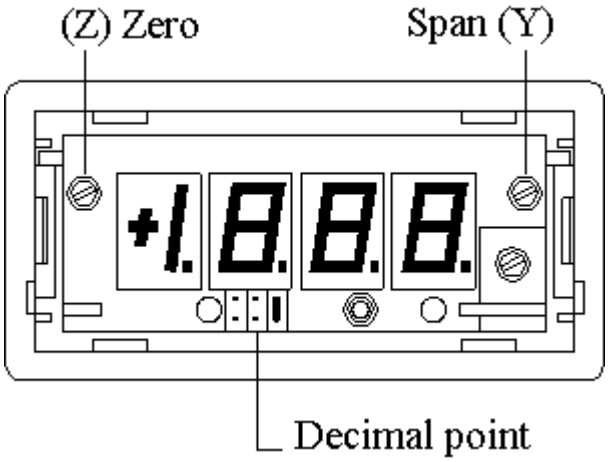
To configure the meter for the desired input, perform the jumper wiring as indicated above.

SETUP AND CALIBRATION

The lens of the meter are removable from the front to allow access to zero, span adjustment and to decimal point location. Plug in proper jumper to set the decimal point in the desired position according to the table.

Jumper	Display
A	1.999
B	19.99
C	199.9
none	1999





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