



[DITEL](#): [PRODUCTS](#): [DIGITAL STARS](#): **721S0**



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Model 721S panel ammeters are specific instruments that readout DC currents up to 5A.

Fully configured at the factory on request, it is possible to modify later the scale by changing in plug-in jumpers.

Zero, span adjustment and decimal point location are accessible from the front through the lens meter.

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

721	S	O	Y	O	X
PRESET/RELAY					
NO SETPOINT (Serie 700)	0				
1 SETPOINT (Serie 7000)	4				
SUPPLY POWER					
115V 50/60Hz			1		
230V 50/60Hz			2		
12V DC ISOLATED			4		
24V 50/60Hz			7		
24V DC ISOLATED			8		
RANGE					
±1.999A DC					1
±5.00A DC					2
±1.999mA DC					5
±1999mA DC					6
±199.9mA DC					7
±19.99mA DC					8
SILKSCREENED UNIT					

ORDERING EXAMPLE

7214 0202 E12 DC: ammeter Series 7000 Supply power: 230V AC (50/60Hz) Range: 5.00A -

DC 1 potent. adjustable analog setpoint

SPECIFICATIONS

INPUT SIGNAL

- Configuration
- Maximum allowable current
- Input impedance

differential asymm
Imax

Range	I _{max.} (IN)	Z(IN)
1.999mA	50mA	100 ohm
19.99mA	100mA	10 ohm
199.9mA	500mA	10 ohm
1999mA	4A	0.1 ohm
1.999A	4A	0.1 ohm
5.00A	7.5A	0.01 ohm

- Common mode max. voltage (signal/power)

- AC voltage:

1000V DC or 1500V

- DC voltage:

±4C

ALIMENTACION Y CONSUMO

- 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

PRECISION

- Resolution

0.05% F.E.

- Maximum error

0.2% F.E. ±1 digit

DISPLAY

- Type

red LED (0.4") 10mm. high

- Polarity

automatic (±) sign

- Overrange

±1999. (3 L.S.D. blanked)

- Reading rate

3 per second

GENERALES

- Operating temperature

0°C to 50°C

- Storage temperature

-25°C to +85°C

- Relative humidity

max. 95% (non condensing)

- Weight

200g

- Dimensions

72x36x110mm (s/DIN 43700)

- Panel cutout

68x33mm (s/DIN 43700)

- Case material

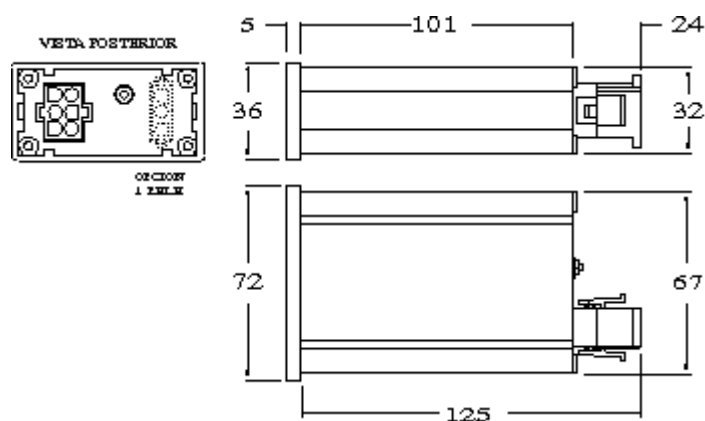
94 V-0 UL-rated polycarbonate

OPTIONS (SERIES 7000)

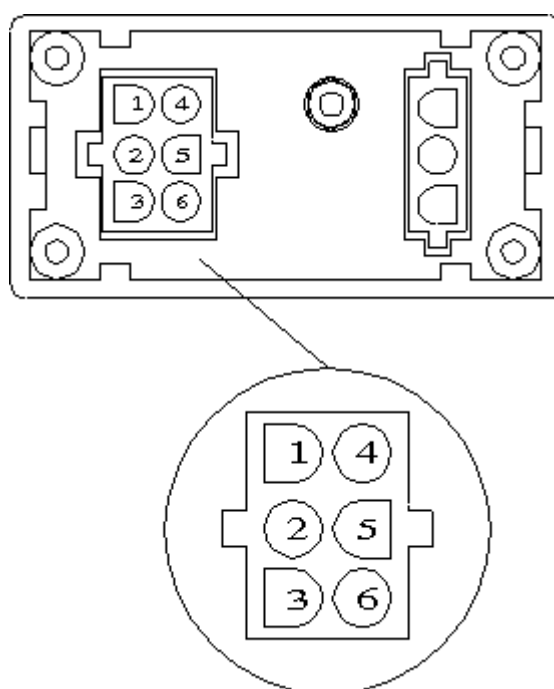
.1 front panel screwdriver-adjustable setpoint with two modes of ON/OFF control and switching hysteresis. SPDT relay (8A @ 250VAC or 8A @

40VDC).

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION



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

AC power supply
 PIN 4 AC HI
 PIN 5 Spare
 PIN 6 AC LO (neutral)

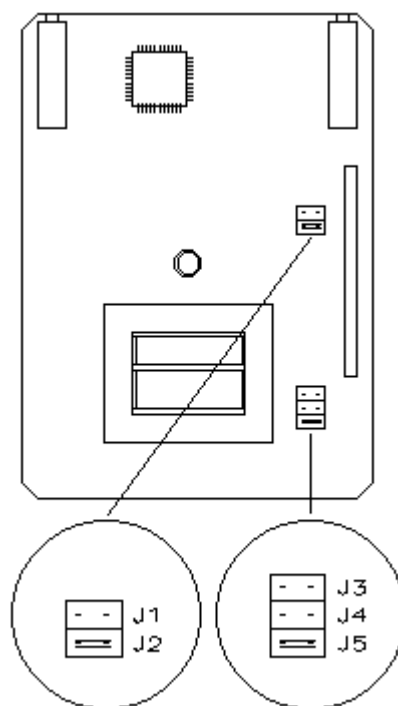
DC power supply

PIN 4 DC positive (+)

PIN 5 Spare

PIN 6 DC negative (-)

SCALING



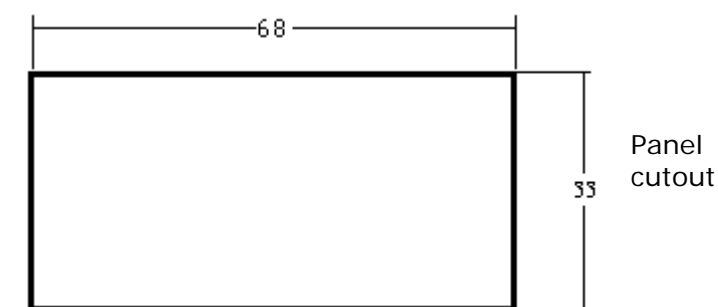
To change the scale, plug in the jumpers in the main board as indicated in the table and locate the decimal point by means of the jumpers A, B and C of the display.

Range Jumpers

1.999mA	J3
19.99mA	J4
199.9mA	J5
1999mA	None
1.999A	None
5.00A	J1, J2

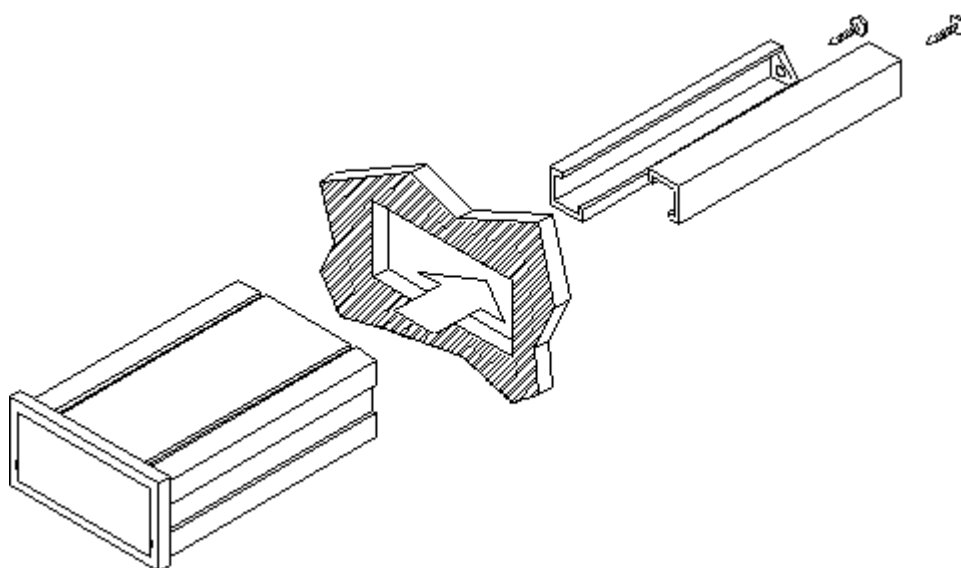
To configure the display to any range different from those listed in the table, perform the jumper settings that correspond to the most similar built-in range and adjust the span potentiometer to desired readout.

MOUNTING

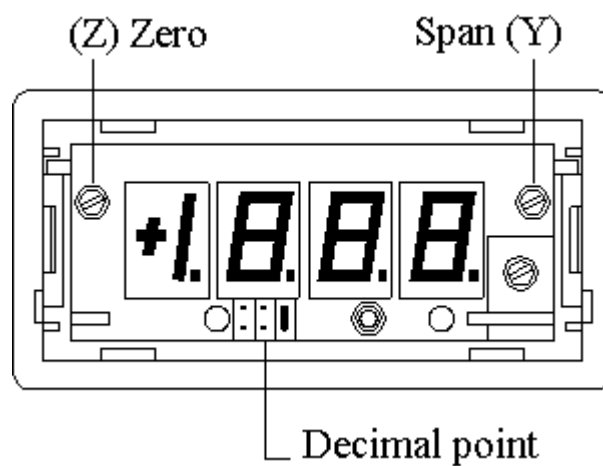
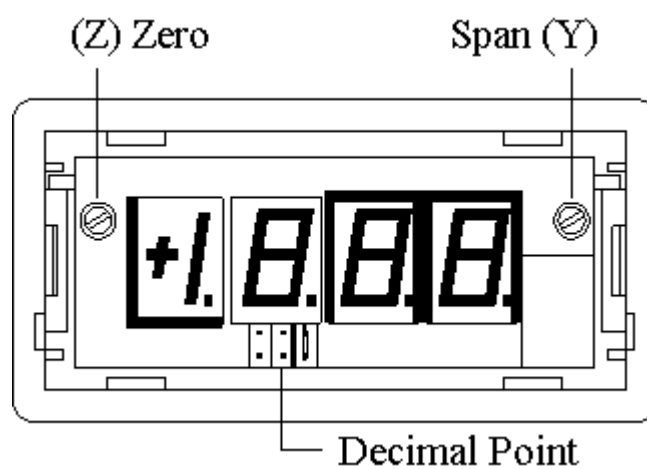


Min. thickness : 0.8mm

Max. thickness : 10mm



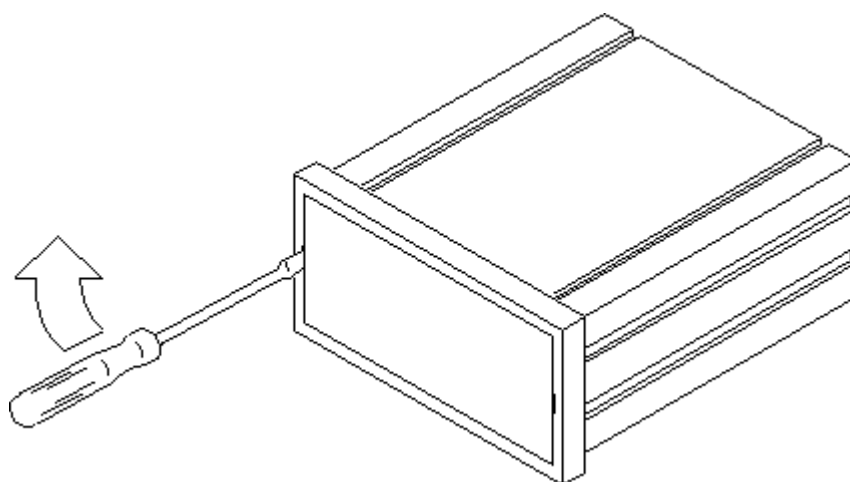
SETUP AND CALIBRATION



The front-panel lens are removable to allow access to zero, span adjustment and to decimal point location. Place the appropriate jumper according to the table.

Jumper display

A	1.999
B	19.99
C	199.9
none	1999

ACCESS TO CONFIGURATIONS

Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally until it disengages. Unscrew the rear nut to lift 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 perfectly seated.

Warranty:

Press the icon to see it.



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