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DESCRIPTION

Model 711S panel voltmeters are specific instruments for readout DC voltages up to 1000V. Fully configured at the factory upon request, it is possible to modify later the scale by changing internal plug-in jumpers. Zero, span adjustment and decimal point location are accessible from the front through the lens of the meter. Power and signal connection is realized by means of a 6-pin MAT-N-LOK AMP connector located at the rear of the unit. These indicators are available in 700 or 7000 series. The latter provides one analog setpoint that can be made to operate within two modes of ON/OFF commutation and switching hysteresis.

SELECTION GUIDE

	711	S	O	Y	O	X
PRESET/RELE						
NO SETPOINT (Series 700)	0					
1 SETPOINT (Series 7000)	4					
SUPPLY POWER						
115V 50/60Hz			1			
230V 50/60Hz			2			
12V DC ISOLATED			4			
10-40V DC NON ISOLATED			6			
24V 50/60Hz			7			
24V DC ISOLATED			8			
RANGES						
19.99V						2
199.9V						3
1000V						4
SILKSCREENED UNIT						

ORDERING INFORMATION

7114 0203 E25: DC voltmeter Series 7000

Supply power: 230V AC (50/60Hz)
 Range: 199.9V DC.
 Unit: V DC 1 potent. adjustable analog setpoint

SPECIFICATIONS

INPUT SIGNAL

- Configuration differential asymmetrical
- Maximum input voltage 1000V DC
- Input impedance 2.1Mohm
- Common mode max. voltage (signal/power)
- AC Voltage 1000V DC or 1500V ACpp
- DC Voltage $\pm 400V$ 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.E.
- Maximum error 0.2% F.S. ± 1 digit

DISPLAY

- Type red LED (0.4") 10mm. high
- Polarity automatic (\pm) sign
- Decimal point selectable by jumper
- Overrange ± 1999 . (3 L.S.D. blanked)
- Reading rate 3 per second

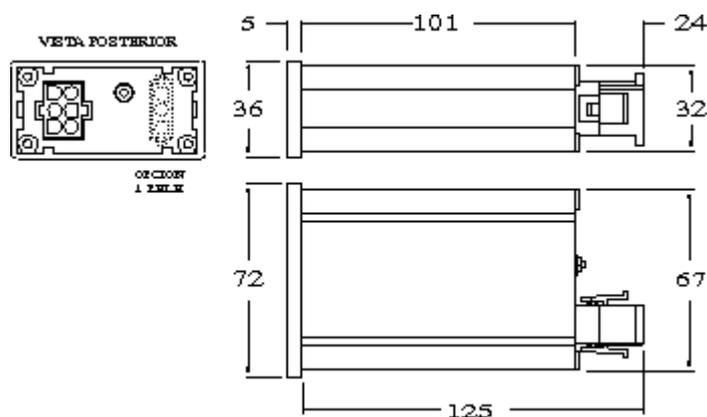
ENVIRONMENTAL

- Operating temperature 0°C to 50°C
- Storage temperature -25°C 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

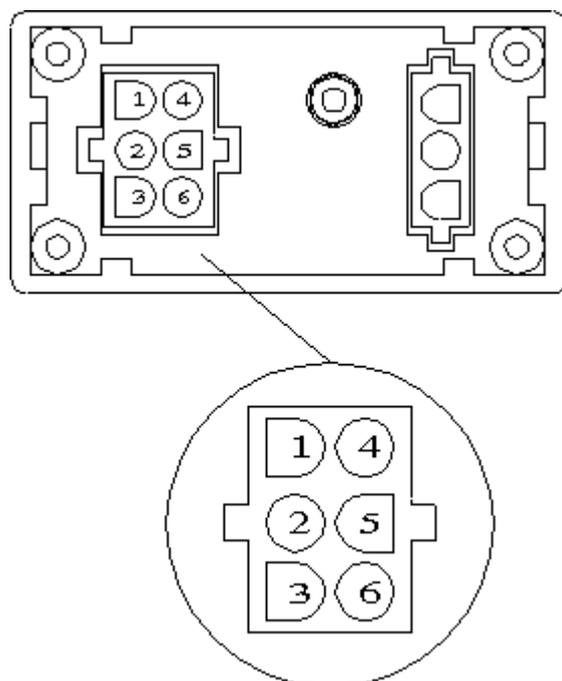
OPTIONS

- 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

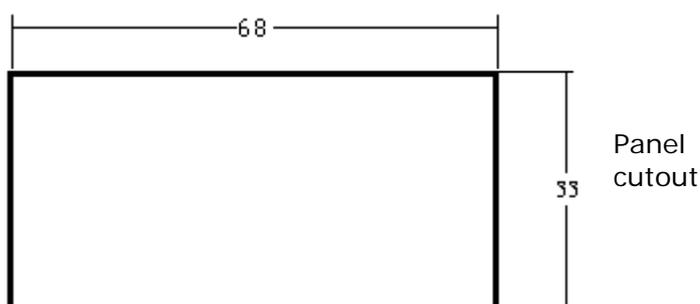
PIN 5 Spare
 PIN 6 AC LO (neutral) DC power supply
 PIN 4 DC positive (+)
 PIN 5 Spare
 PIN 6 DC negative (-)

SCALING

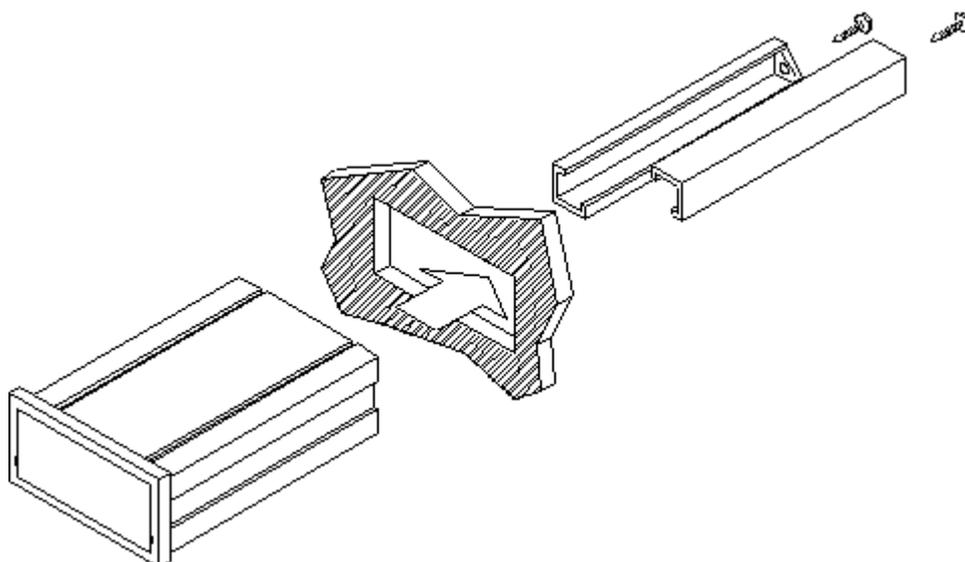
To change the scale, perform the jumper wiring indicated in the table and place the decimal point to the proper position.

Range	Jumper
1000V	J2
199.9V	J1, J3
19.99V	J1, J3, J4

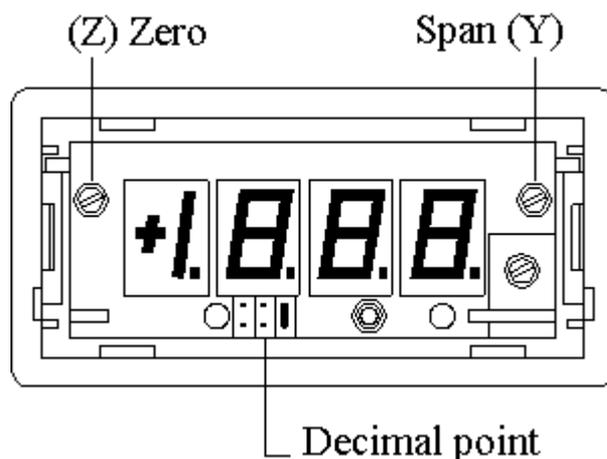
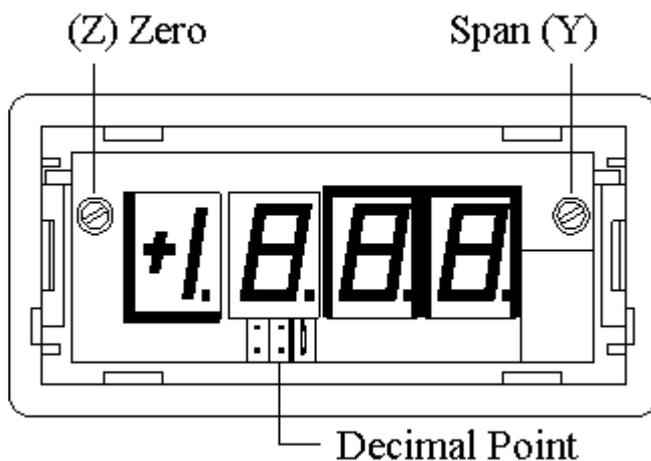
MOUNTING



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



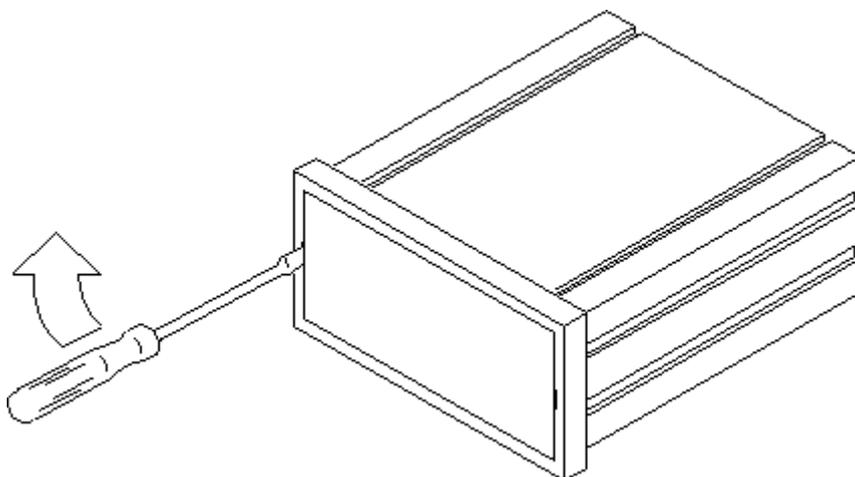
SETUP AND CALIBRATION



Talking our the frontal lens provides access to zero, span adjustment and to decimal point location.
Place the appropriate jumper to locate the decimal point to the desired position according to the table.

Jumper	display
A	1.999
B	19.99
C	199.9
ninguno	1999

ACCESS TO CONFIGURATIONS



Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally until the lips disengage. 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 fitted.

Warranty:

Press the icon to see it.



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