



[DITEL](#): [PRODUCTS](#): [DIGITAL STARS](#): **722S0Y0X**



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DESCRIPTION

Model 722S panel ammeters are specific instruments that allow direct connection to an external current transformer for readout RMS values of sinusoidal signals up to 2000A.

Fully configured at the factory on request, it is possible to modify later the scale and set the meter input to be connected to any current transformer rating 5A or 1A by only changing internal plug-in jumpers.

Span adjustment and decimal point location are accessible from the front through the lens of the meter. The zero adjust is automatic.

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

SELECTION GUIDE

	722	S	Z	Y	0	X
PRESET / RELAY						
NO SETPOINT (Series 700)	0					
1 SETPOINT (Series 7000)	4					
INPUT						
TRANSFORMER/1A		1				
TRANSFORMER/5A		2				
SUPPLY POWER						
115V 50/60Hz			1			
230V 50/60Hz			2			
12V DC ISOLATED			4			
24V 50/60Hz			7			
24V DC ISOLATED			8			
RANGE						
20A (19.99)						1
50A (50.0)						2
100A (100.0)						3
200A (199.9)						4

500A (500)					5
1000A (1000)					6
2000A (1999)					7
UPON REQUEST					9
SILKSCREENED UNIT					

ORDERING EXAMPLE

7224 2204 E07 : AC ammeter Series 7000 Supply power: 230V AC (50/60Hz)
Input: Transfo/5A Range: 199.9A 1 analog setpoint. - Unit: A AC

SPECIFICATIONS

INPUT SIGNAL

- Configuration differential asymmetrical
- Frequency margin 40 to 500Hz
- Max allowable current $I_{max.}(IN)$
- Input impedance $Z (IN)$

SCALE	$I_{max.} (IN)$	$Z (IN)$
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) :
- Power AC 1000V DC or 1500V ACpp
- Power DC $\pm 400V$ 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.S.
- Maximum error 0.2% F.S. ± 1 digit

DISPLAY

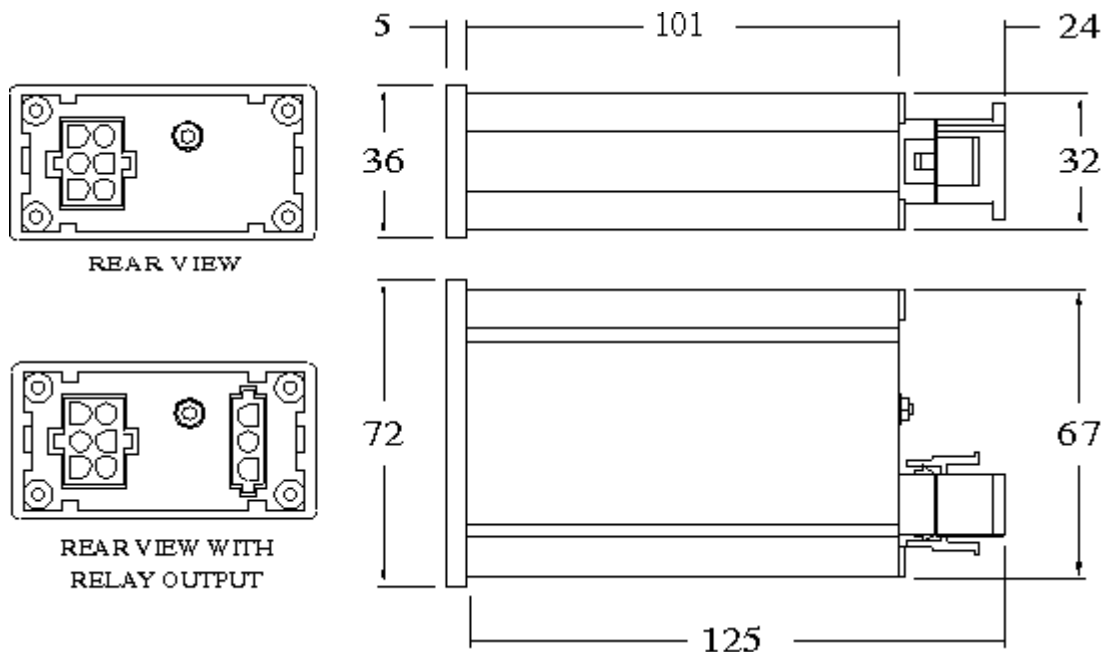
- Type red LED (0.4") 10mm. high
- Overrange 1999. (3 L.S.D. blanked)
- Reading rate 3 per second

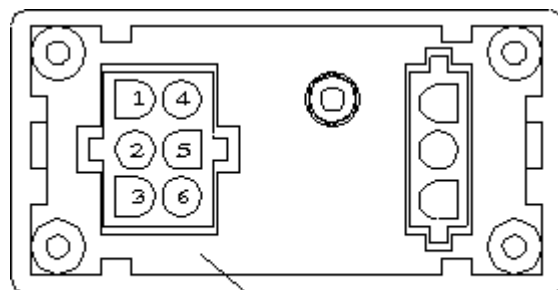
ENVIROMENTAL

- 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)
- Case material: 94 V-0 UL-rated polycarbonate

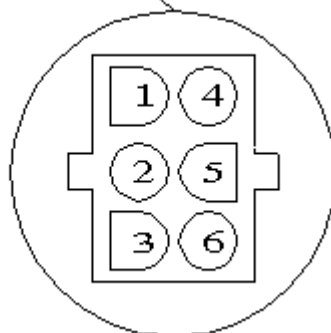
OPTIONS (SERIE 7000)

.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**



rear view



Input signal

PIN 1 Spare

PIN 2 Input signal AC

PIN 3 Input signal AC

AC power supply

PIN 4 AC HI

PIN 5 Spare

PIN 6 AC LO (neutral)

DC power supply

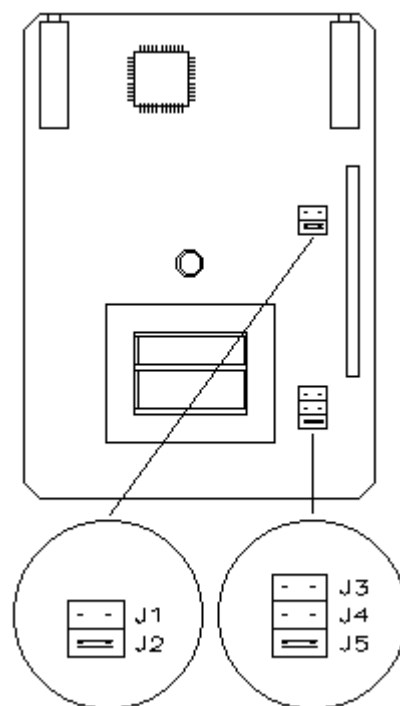
PIN 4 DC positive (+)

PIN 5 Spare

PIN 6 DC negative (-)

SCALING

Main circuit REF. 348A



Input configuration

Input J4 J5

Transfo/1A ON OFF

Transfo/5A ON ON

Scale settings

Scale J1 J2 J3

19.99A OFF OFF ON

50.0A ON OFF OFF

100.0A OFF ON OFF

199.9A OFF OFF ON

500A ON OFF OFF

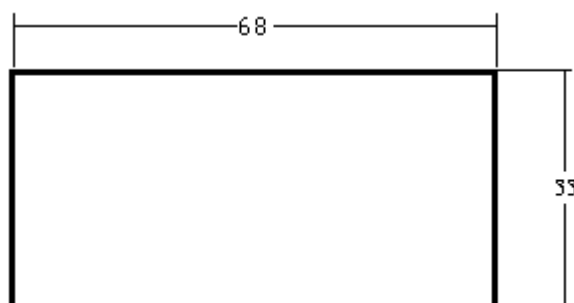
1000A OFF ON OFF

1999A OFF OFF ON

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

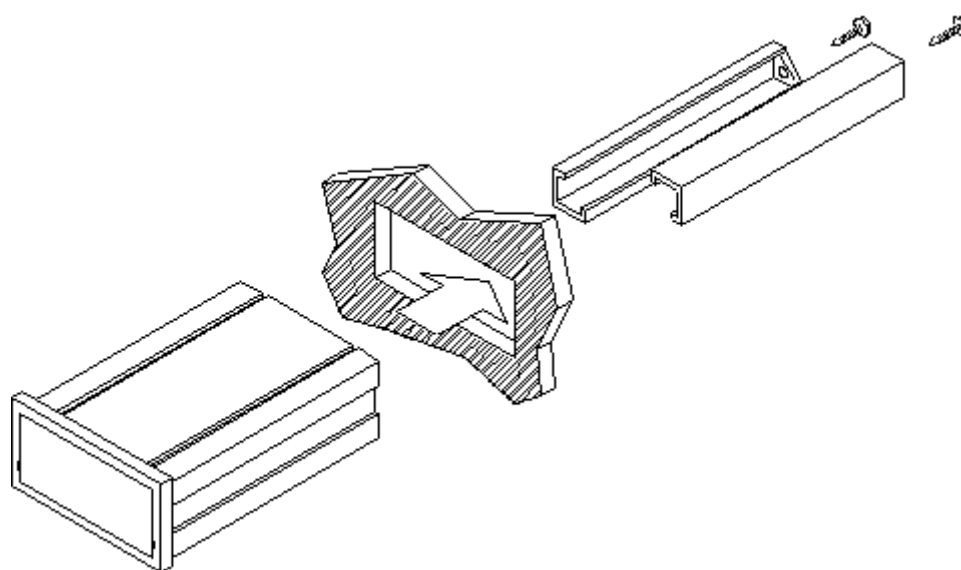
MOUNTING

Panel
cutout

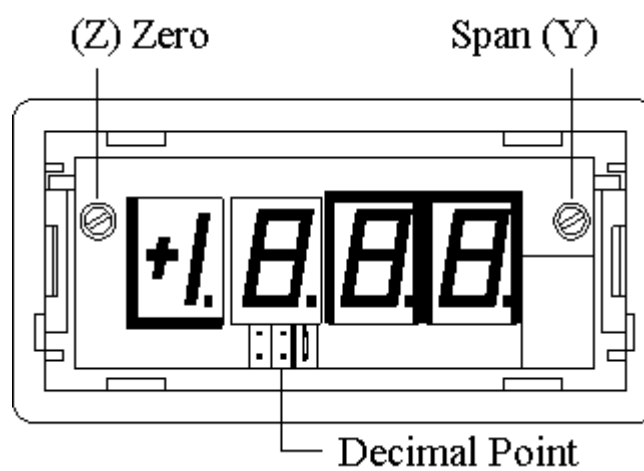


Min. thickness: 0.8mm

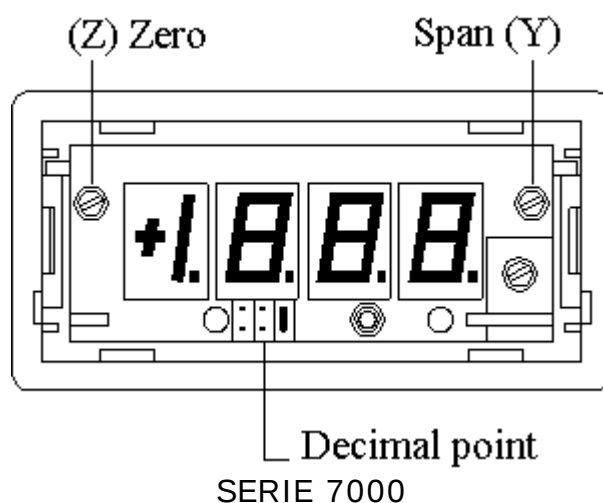
Max. thickness: 10mm



SETUP AND CALIBRATION



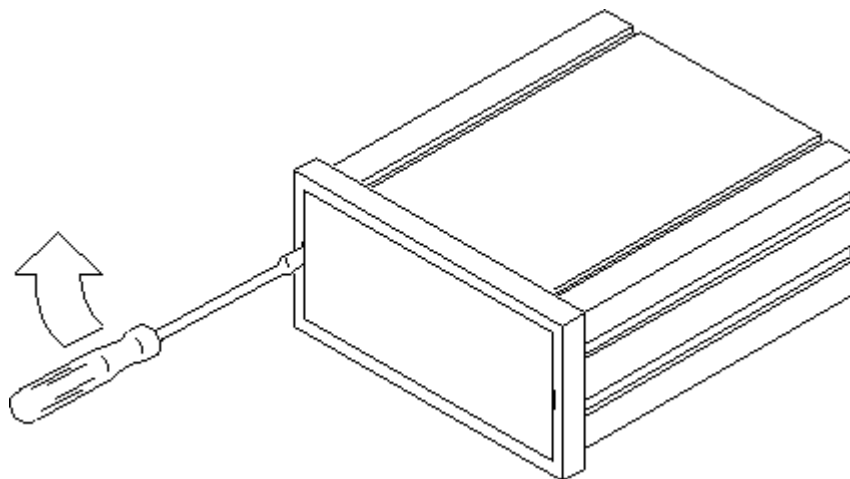
SERIE 700



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	1.9999
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 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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