



[DITEL](#): [PRODUCTS](#): [DIGITAL STARS](#): **723SZY0X**



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DESCRIPTION

Model 723S panel ammeters are specific instruments that allow direct connection to an external shunt for readout constant currents 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 standard shunts rating 60mV or 100mV by only changing internal plug-in jumpers.

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

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

723	S	Z	Y	0	X
PRESET / RELAY					
NO SETPOINT (Series 700)	0				
1 SETPOINT (Series 7000)	4				
INPUT					
SHUNT/60mV		5			
SHUNT/100mV		6			
ON REQUEST SHUNT		9			
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

7234 5207 E11: DC ammeter Series 7000 Supply power: 230V AC (50/60Hz) Input Shunt/60mV Range 1999A 1 analog setpoint. - Unit: A DC

SPECIFICATIONS

INPUT SIGNAL

- Configuration differential asymmetrical
- Max allowable voltage $\pm 5\text{VDC}$
- Input impedance 1Mohm
- Input sensitivity 60mVDC or 100mVDC (selectable by jumper)
- Common mode max. voltage (signal/power)
- Power AC : 1000V DC or 1500V ACpp
- Power DC : $\pm 400\text{V DC}$

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
- Polarity automatic ($\pm$) sign
- Decimal point selectable by jumper
- Overrange ± 1999 . (3 L.S.D. blanked)
- Reading rate 3 per second

ENVIROMENTAL

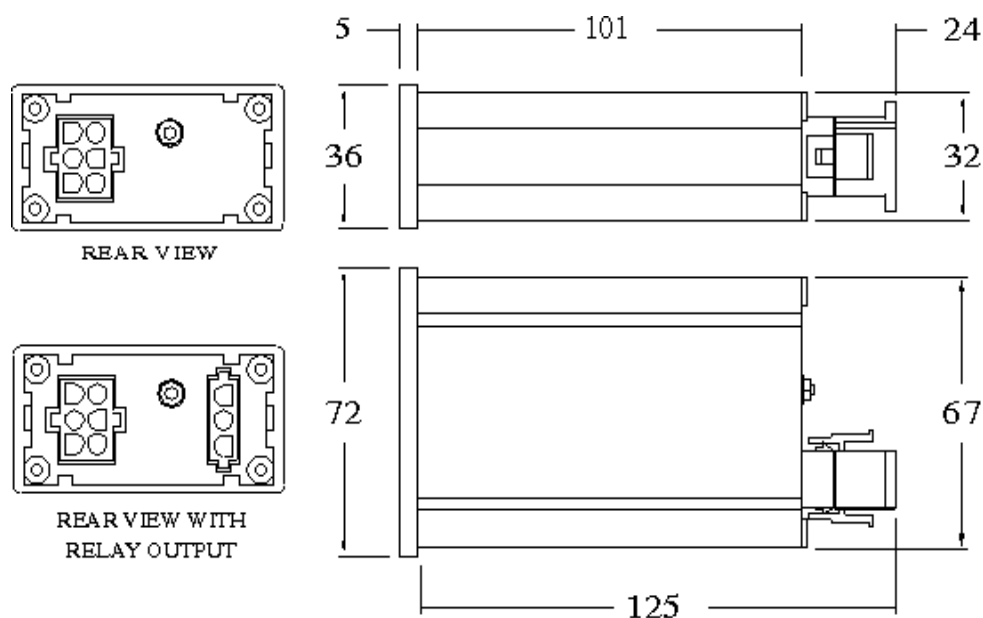
- Operating temperature 0° to 50°C
- Storage temperature -25° to $+85^\circ\text{C}$
- Relative humidity max. 95% (non condensing)
- Weight 200g
- Dimensions 72x36x110mm. (s/DIN 43700)
- panel cutout 68x33mm. (s/DIN 43700)

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

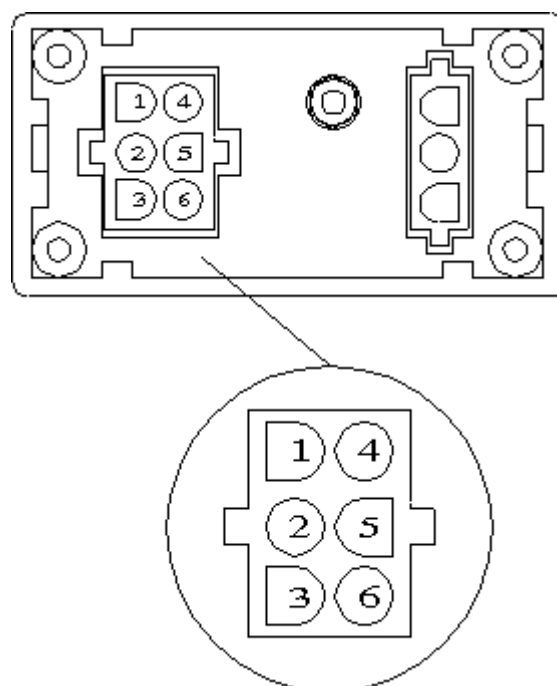
OPTIONS (SERIE 7000)

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

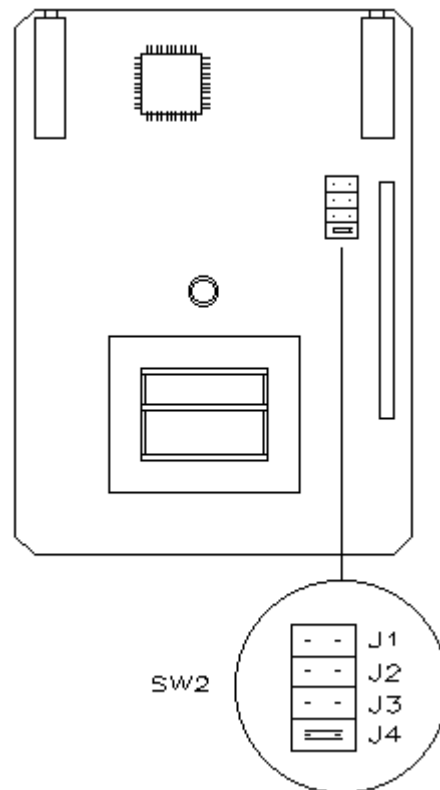


Input signal
PIN 1 Spare
PIN 2 Input signal (+)
PIN 3 Input signal (-)

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



Input configuration

Input Jumper J4

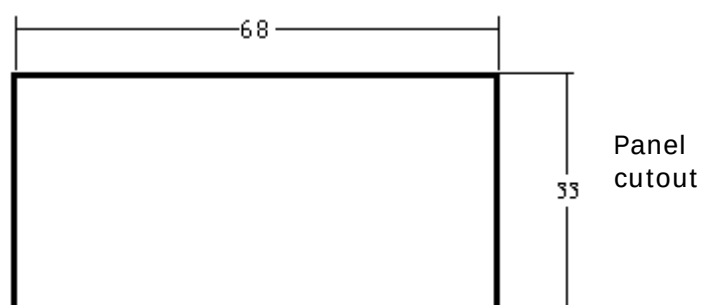
Shunt/60mV	J4 ON
Shunt/100 mV	J4 OFF

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

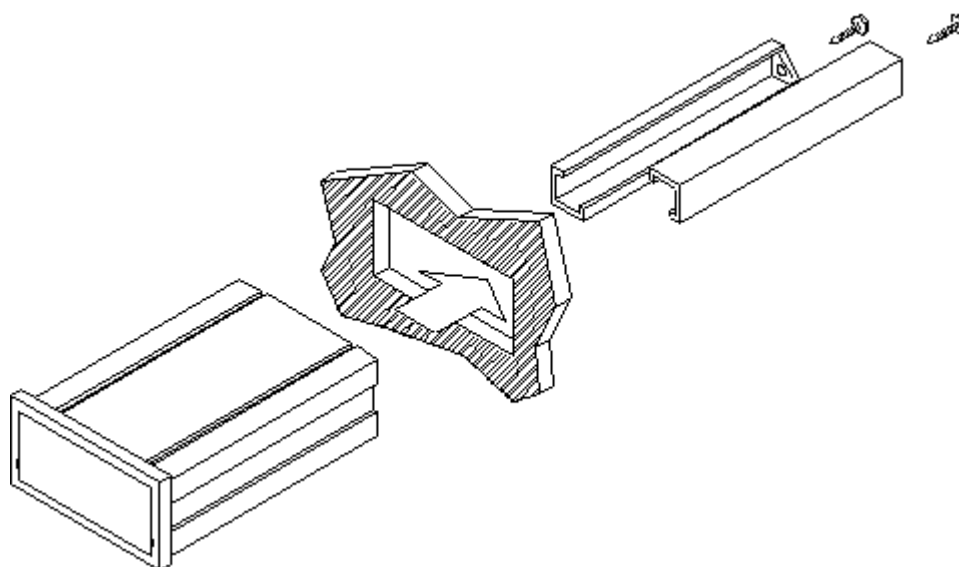
To configure the display to any range different from those listed in the table, perform the jumper settings that correspond to the most similar builtin range and adjust the span potentiometer to the desired readout.

MOUNTING

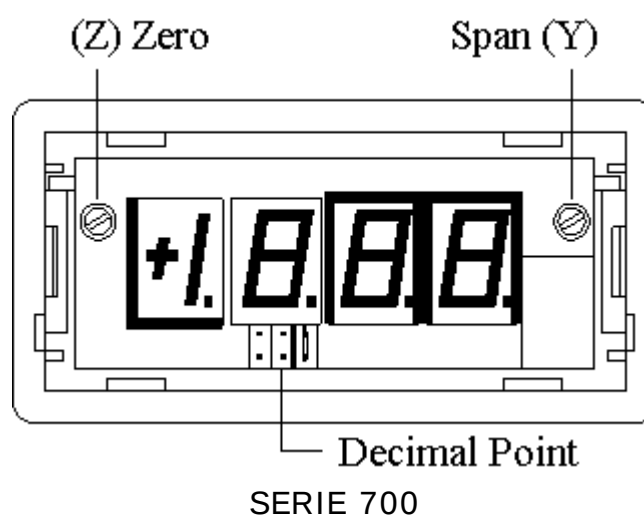


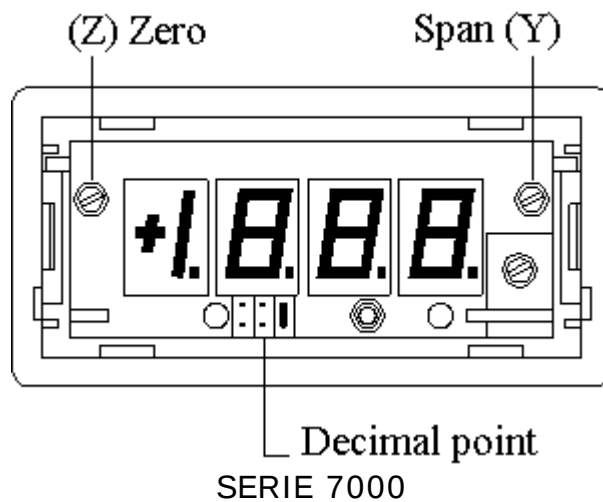
Min. thickness : 0.8mm

Max. thickness : 10mm



SETUP AND CALIBRATION

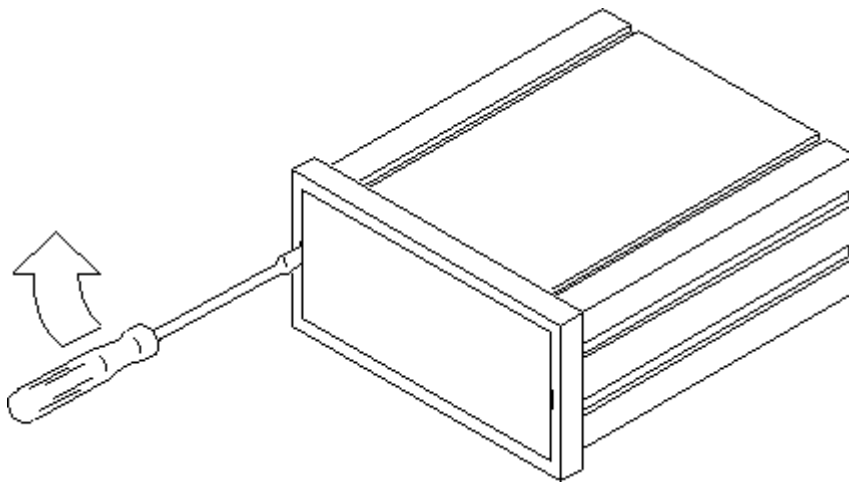




The front-panel lens are removable to allow access to zero, span adjustment and to decimal point location. Place the appropriate jumper according to the table.

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 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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