

[DITEL](#): [PRODUCTS](#): [DIGITAL STARS](#): **7770EY0X**



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DESCRIPTION

Model 777 panel frequency meters are instruments that readout frequencies within a range of 1Hz to 40kHz with a resolution of Hz in the 9999Hz range and tens of Hz in the 39.99kHz range.

The display update time is the same as the selected timebase.

One of two input sensitivities may be chosen, one low covering values from 10V to 1000V AC and the other high covering from 200mV to 10V.

Signal and power connection is realized by means of a 6-pin MAT-N-LOK AMP connector located at the rear of the unit.

They are simple, low-cost instruments, without output or setpoint option, easy to install and put into operation.

SELECTION GUIDE

7770	E	Y	O	X
INPUT				
10V to 1000Vac	5			
200mV to 10Vac	7			
SUPPLY POWER				
115V 50/60Hz		1		
230V 50/60Hz		2		
12V DC ISOLATED		4		
24V 50/60Hz		7		
24V DC ISOLATED		8		
SCALE				
9999Hz				4
39.99kHz				7
SILKSCREENED UNIT				

ORDERING EXAMPLE

7770 5207 E05: Frequency meter Series 700 Power supply: 230V AC
(50/60Hz) Input: 10V to 1000Vac - 4 digits Scale: 39.99kHz. - Unit: kHz

SPECIFICATIONS

INPUT SIGNAL

- Frequency max 40kHz
 - Common mode max. voltage(signal/power)
- AC Voltage: 1000V DC or 1500V ACpp
DC Voltage: ±400V DC

TIMEBASE

- Range 9999Hz 1s
- Range 39.99kHz 0.1s

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

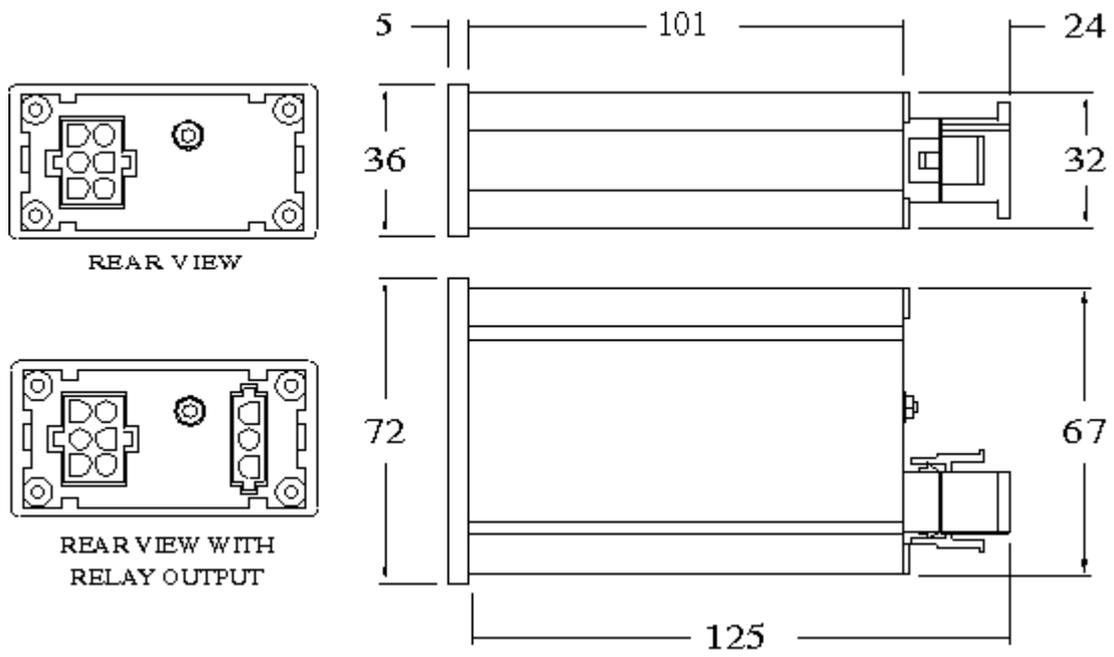
DISPLAY

- Type red LED (0.4") 10mm. high
- Resolution 4 digits (9999)
- Decimal point selectable by jumper
- Reading rate the same as timebase

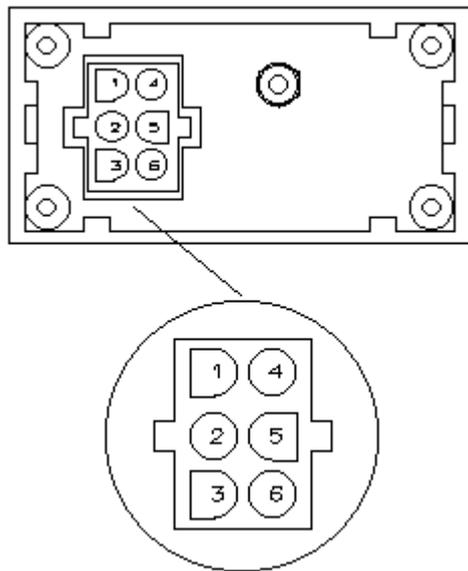
ENVIRONMENTAL

- 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

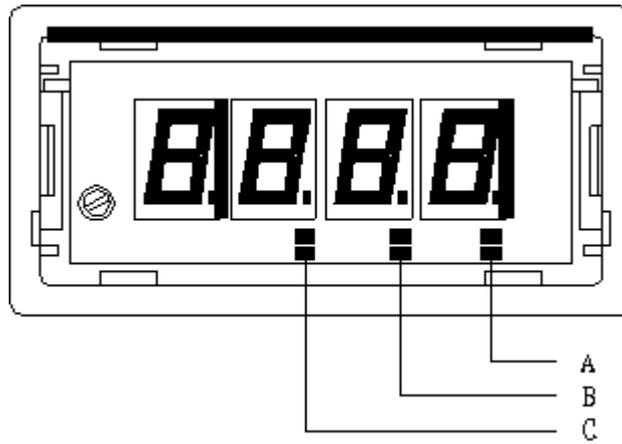
DIMENSIONS (mm)



INPUT SIGNAL CONNECTION



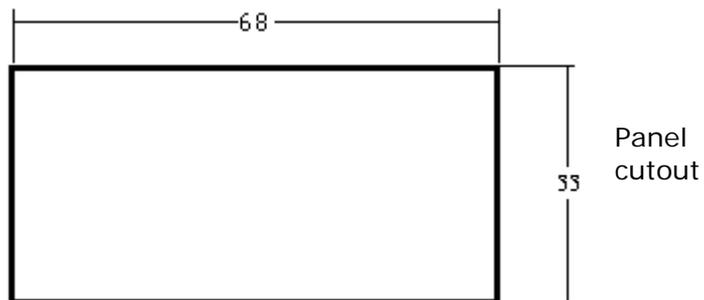
- Input signal
- PIN 1 Spare
- PIN 2 Input signal
- PIN 3 Input signal



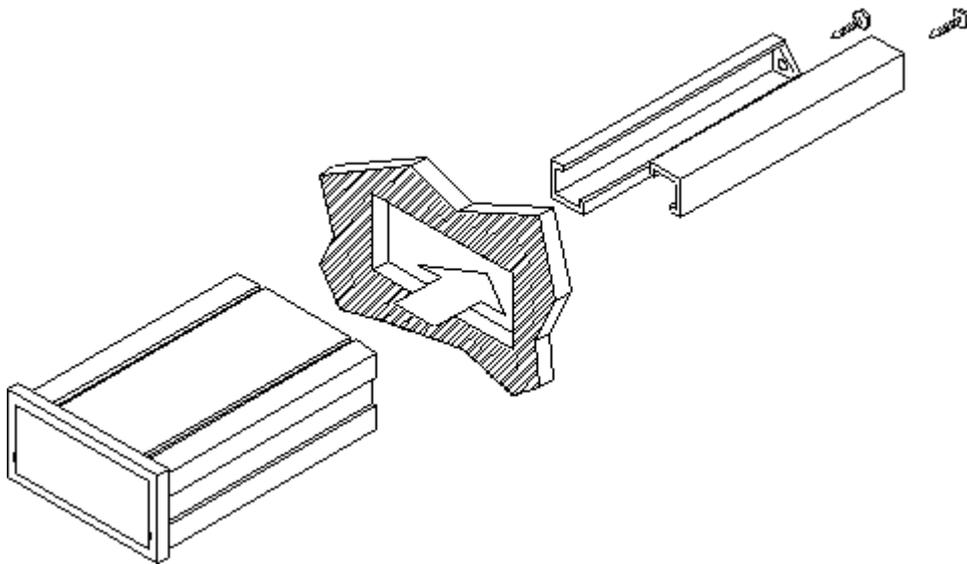
To change the decimal point location, perform the solder operations as indicated below :

Jumper	Display
B	19.99
none	1999

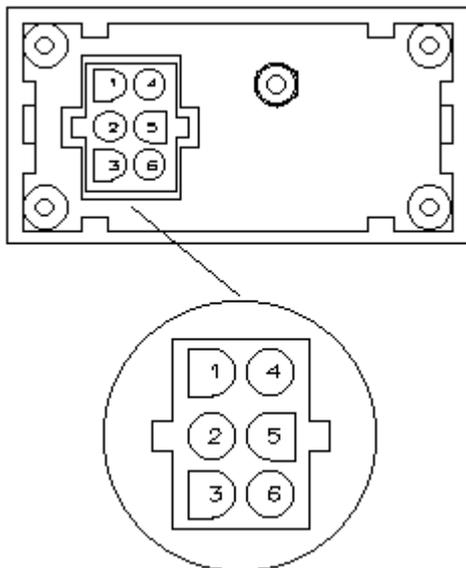
MOUNTING



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



POWER CONNECTION



AC VERSION

PIN 4 AC HI

PIN 5 Spare

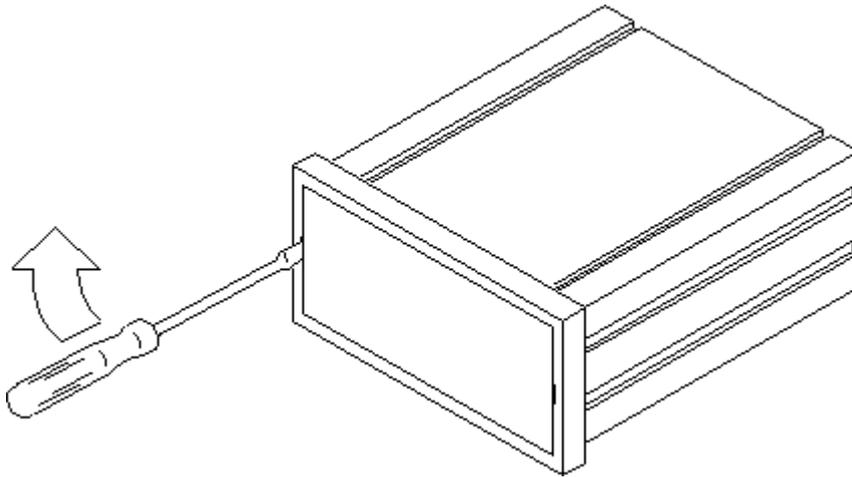
PIN 6 AC LO (neutral)

DC VERSION

PIN 4 DC positive (+)

PIN 5 Spare

PIN 6 DC negative (-)



Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally until the lips disengage.
To reinstall lens, insert it completely from one side and press from the other until it is fitted.

Warranty:

Press the icon to see it.



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