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DESCRIPTION

Model 792 panel chronometers are 4-digit instruments that measure time intervals with an oscillator controlled by a quartz crystal and start, stop and reset inputs controlled by an external pushbutton with a voltage-contact closure.

Contact-open starts the timer. Contact-closed stops the timer and latches the display.

Timing may also be started and reset by 5V TTL levels, corresponding the low level to STOP and RESET.

START/STOP, RESET inputs and power connection is made via a MAT-N-LOK AMP 6 pins connector located at the rear of the unit.

SELECTION GUIDE

79206	Y	O	X	D
POWER SUPPLY				
115V 50/60Hz	1			
230V 50/60Hz	2			
12V DC ISOLATED	4			
24V 50/60Hz	7			
24V DC ISOLATED	8			
TIME RANGES				
9.999s			1	
99.99s			2	
999.9s			3	
9999s			4	
59min 59s			5	
SILKSCREENED UNIT				

ORDERING EXAMPLE

7920 6205 E59: Panel chronometer Series 700 Power: 230V AC (50/60Hz)
Range 59min 59s Unit: min:s 4 digits Format 72x36mm.

SPECIFICATIONS

INPUT SIGNAL

- START/STOP and RESET 5V TTL and contact closure
- 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 0.01%
- Thermal drift $\pm 10\text{ppm}/^{\circ}\text{C}$

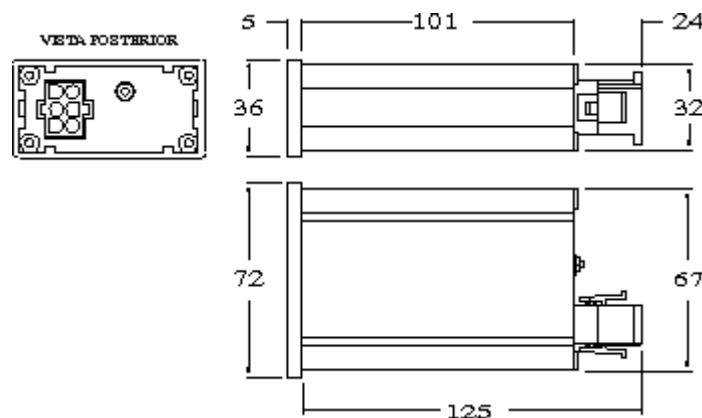
DISPLAY

- Type red LED (0.4") 10 mm. high
- Resolution 4 digits (9999)
 - 9.999s - 99.99s - 999.9s
 - 9999s - 59min 59s

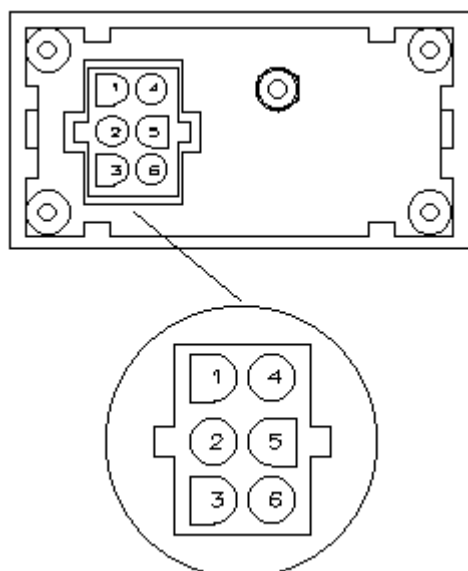
ENVIRONMENTAL

- Operating temperature 0° to 50°C
- Storage temperature -25° to $+85^{\circ}\text{C}$
- Relative humidity max. 95% (non condensing)
- Weight 300g
- Dimensions 72x36x110mm. (s/DIN 43700)
- Panel cutout 68x33mm. (s/DIN 43700)
- Case material 94 V-0 UL-rated polycarbonate

DIMENSIONS (mm)



SIGNAL AND POWER CONNETION



Input signal

PIN 1 Reset

PIN 2 Start/Stop

PIN 3 Common

AC power supply

PIN 4 AC HI

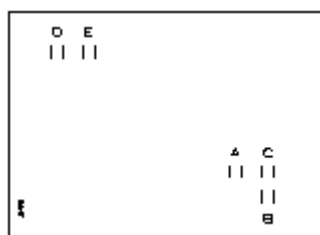
PIN 6 AC LO (neutral)

DC power supply

PIN 4 DC positive (+)

PIN 6 DC negative (-)

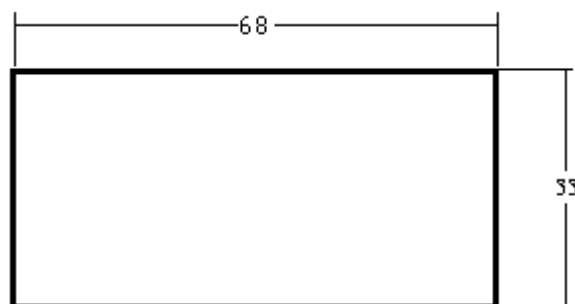
TIME RANGE SETTINGS



To change the scale, perform the solder and unsolder operations indicated in the table below. Make sure that the adequate IC is connected at the main circuit according to the table.

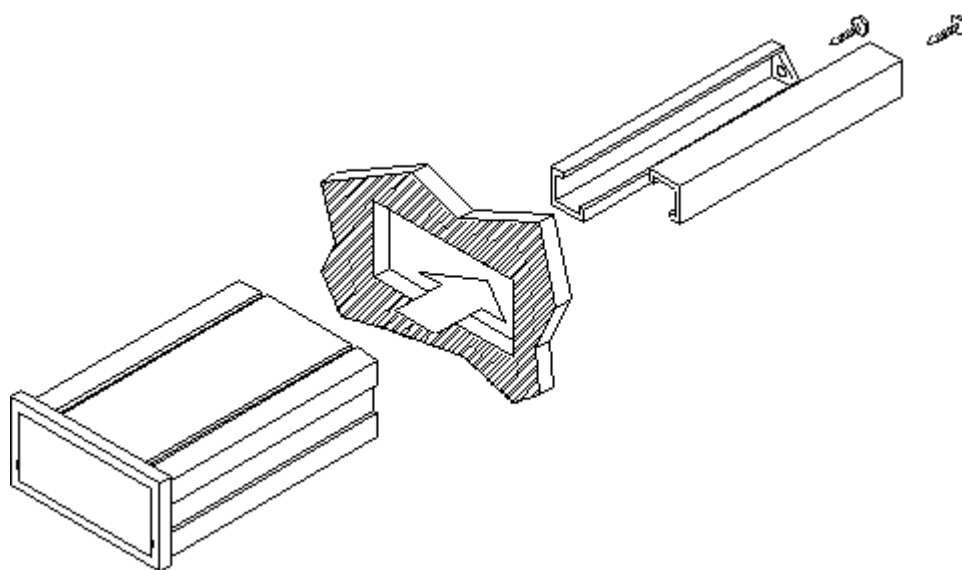
RANGE	JUMPERS			Main board IC
9.999s	-	D	C	7217A
99.99s	E	D	C	7217A
999.9s	E	D	B	7217A
9999s	E	D	A	7217A
59min 59s	E	D	A	7217C

INSTALLATION

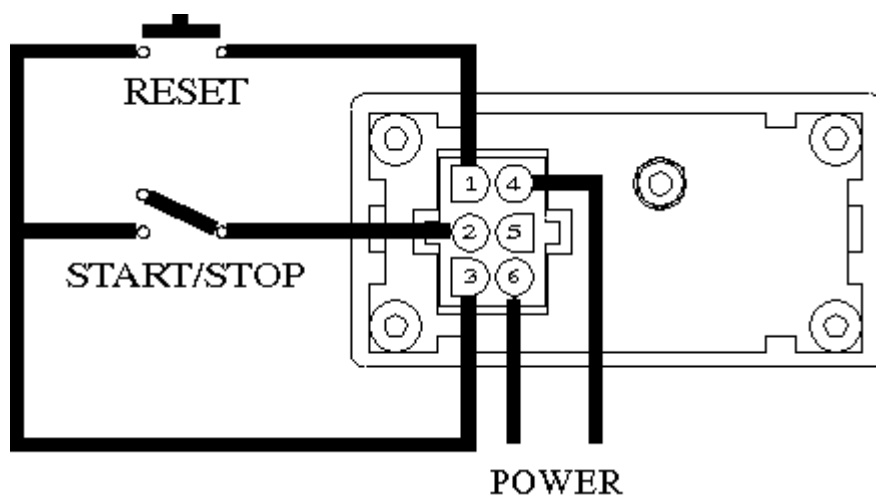


Panel cutout

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

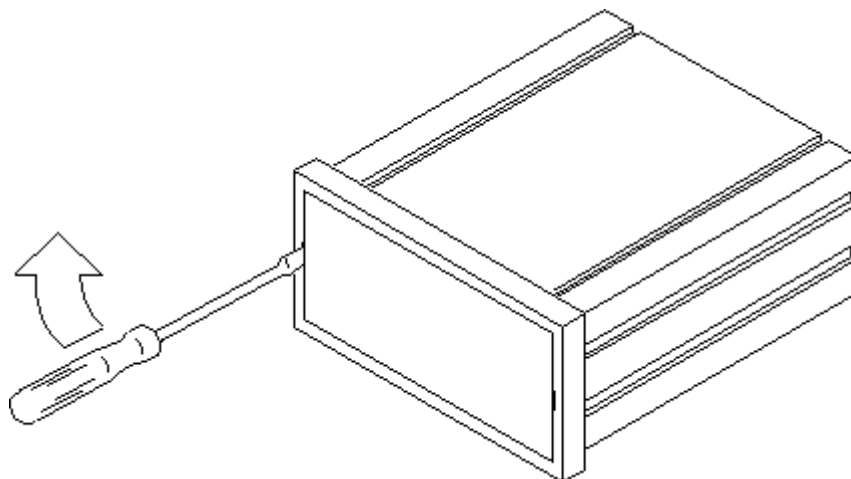


WIRING SCHEMATIC



Contact closed = STOP
Contact open = START

ACCESS TO CONFIGURATIONS



Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally as it is shown in the figure 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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