DITEL: PRODUCTS: DIGITAL STARS: **7790XY04**

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DESCRIPTION

Model 779 panel indicators are specific instruments that count up pulses up to a maximum of 9999.
Their input option allows direct connection to contact closure, pulse generators and most proximity sensors for which the meter features a +10V excitation output.
Reset is accomplished by an external pushbutton.
After a reset, the meter starts counting by the first pulse applied at the input. The value reached after the last input pulse remains on display until a new reset occurs.
Power failure or removal causes the counter to be cleared back to its zero count. The latest value registered on the display it is lost.
Power and signal connections are made via a 6-pin MAT-N-LOK AMP connector located at the rear of the unit.

SELECTION GUIDE

7790	X	Y	0	4
INPUT TYPE				
Magnetic pickup	1			
NAMUR sensor	2			
TTL/24V pulses	4			
Contact closure	6			
NPN sensor	7			
PNP sensor	8			
SUPPLY POWER				
115V 50/60Hz		1		
230V 50/60Hz		2		
12V DC ISOLATED		4		
24V 50/60Hz		7		
24V DC ISOLATED		8		
SILKSCREENED UNIT				

ORDERING EXAMPLE

7790 1204 E00 : Pulse counter Series 700 Power: 230V AC (50/60Hz) Input type: magnetic pickup Format: 72x36mm. No units

SPECIFICATIONS

INPUT SIGNAL

• Input type:	magnetic pickup, NAMUR, TTL/24Vdc pulses, contact closure, NPN and PNP sensors
• RESET	external pushbutton
• Frequency max	1kHz
• Common mode max. voltage (signal/power)	
AC Voltage	1000V DC or 1500V ACpp
DC Voltage	±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	4W nominal

TRANSDUCERS EXCITATION

• Incorporated	+10V @ 60mA non stabilized

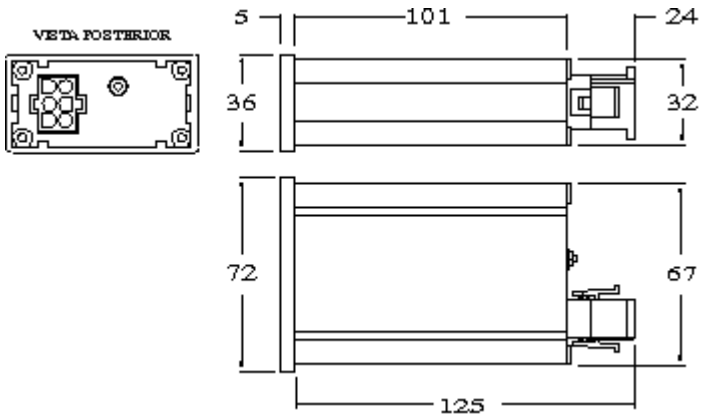
DISPLAY

• Type	red LED (0.4") 10 mm. high
• Resolution	4 digits (9999)
• Decimal point	selectable by soldering jumper

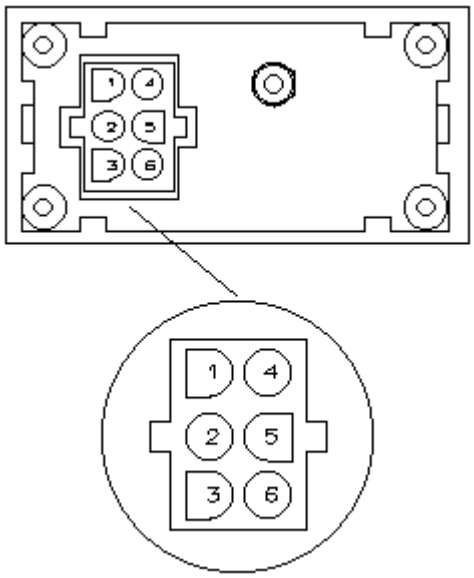
ENVIROMENTALS

• Operating temperature	0°C to 50°C
• Storage temperature	-25°C to +85°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)



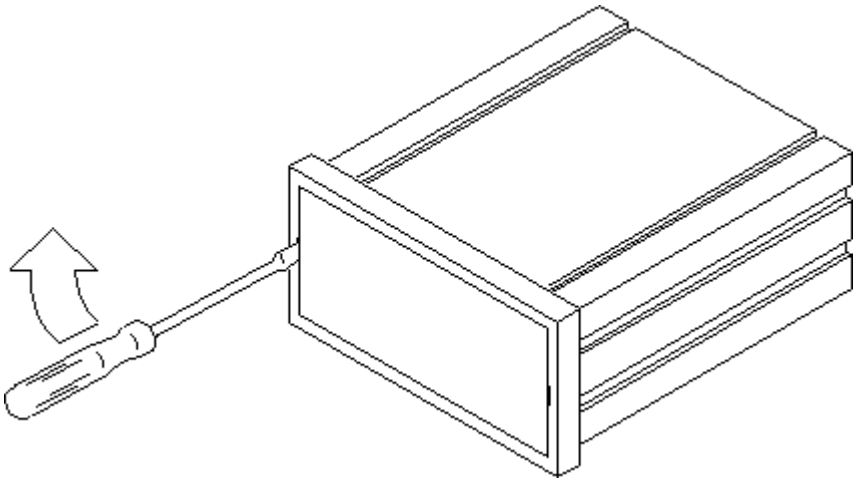
SIGNAL AND POWER CONNECTION



AC VERSION
PIN 1 Reset
PIN 2 Input signal (+)
PIN 3 Common
PIN 4 AC HI
PIN 5 Excitation
PIN 6 AC LO (neutral)

DC VERSION
PIN 1 Reset
PIN 2 Input signal (+)
PIN 3 Common
PIN 4 DC positive (+)
PIN 5 Excitation
PIN 6 DC negative (-)

ACCESS TO CONFIGURATIONS

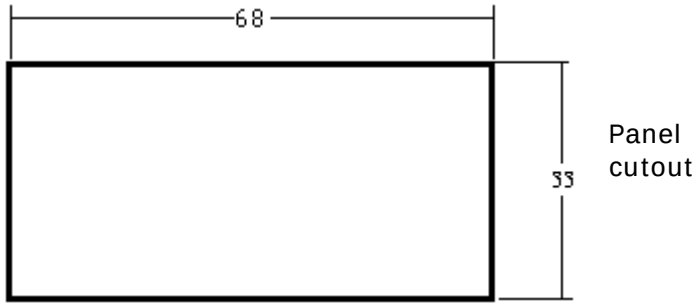


Remove lens by placing an appropriate sized screwdriver in the slot and

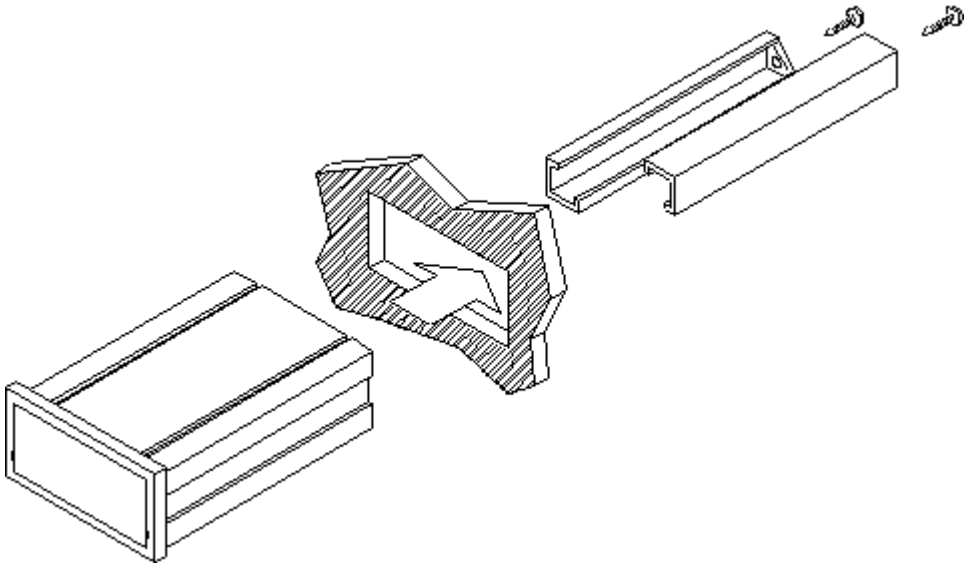
pushing laterally as it is shown in the figure until the lips disengange.

To reinstall lens, insert it completely from one side and press from the other until it is perfectly fitted.

MOUNTING



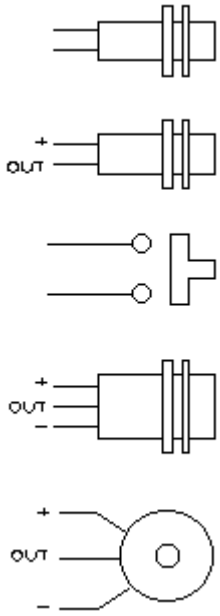
Min. thickness: 0.8mm
Max. thickness: 10mm



SENSOR CONNECTION

Magnetic pickup
PIN 3 = GND
PIN 2 = SIGNAL
NAMUR sensor
PIN 5 = +8V
PIN 2 = SIGNAL
Contact closure
PIN 3 = GND
PIN 2 = SIGNAL
PNP and NPN sensors
PIN 5 = +10V
PIN 2 = SIGNAL
PIN 3 = GND
TTL/24Vdc pulses
PIN 5 = +10V

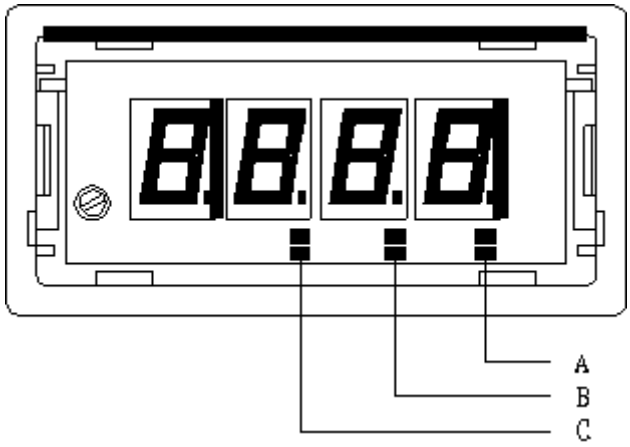
PIN 2 = SIGNAL
PIN 3 = GND



DECIMAL POINT

To change the decimal point location, remove the frontal lens and solder the appropriate jumper as indicated here below:

Jumper	Display
A	9.999
B	99.99
C	999.9
None	9999



Warranty:
Press the icon to see it.

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