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DESCRIPTION

Model 9790 panel indicators are specific instruments used to count up pulses from zero to its maximum count (999999).

Their input option allows direct connection to contact closure, pulse encoders and most proximity sensors for which the meter features a +8V or +24V excitation output. They provide remote reset or front-panel reset.

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.

There is a non-volatile memory facility which will keep count data even after a power cut for an unlimited period.

Power and signal connections are made via a 6-pin MAT-N-LOK AMP connector located at the rear of the unit.

SELECTION GUIDE

9790	X	Y	0	6
INPUT				
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

9790 6206 D00 : Pulse totalizeros Series 9000 Supply power: 230V AC
(50/60Hz) Type of input: Contact closure Format 96x48mm. No units

SPECIFICATIONS

INPUT SIGNAL

- Input type: magnetic pickup, NAMUR, TTL/24Vdc pulses,
contact closure, NPN and PNP sensors
- RESET input remote or by pushbutton
- Maximum frequency 400Hz
- Common mode max.
voltage (signal/power)
- AC Voltage 1000V DC or 1500V ACpp
- DC Voltage $\pm 400V$ DC

POWER

- Supply power
- AC (50/60Hz) 24, 115, 230V AC
- DC (isolated) 12, 24V DC
- Maximum isolation 1000V DC or 1500V ACpp
- Consumption 6W nominal

TRANSDUCERS EXCITATION

- Incorporated +8V @ 60mA
- On request +12V @ 60mA

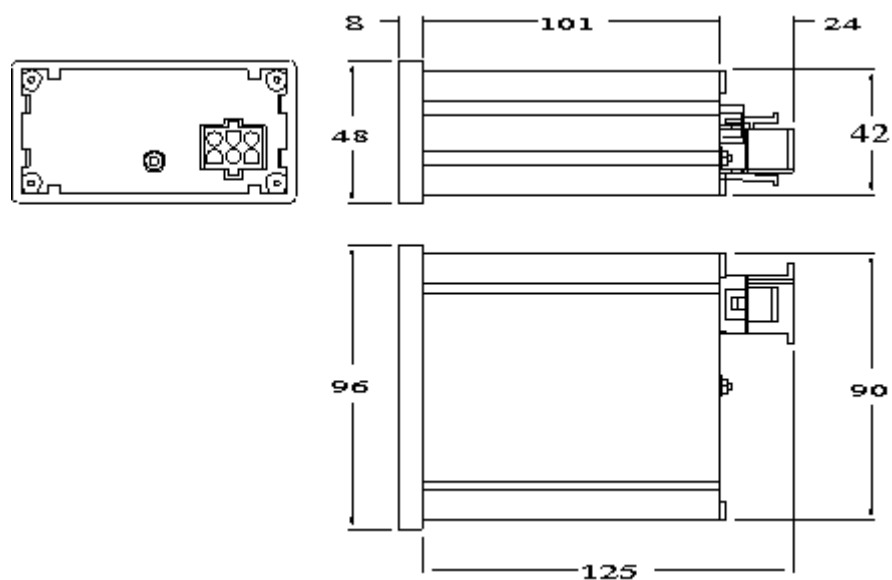
DISPLAY

- Type red LED (0.56") 14 mm. high
- Resolution 6 digits (999999)
- Decimal point selectable by soldering jumper
- Memory > 10 years, NOVRAM type

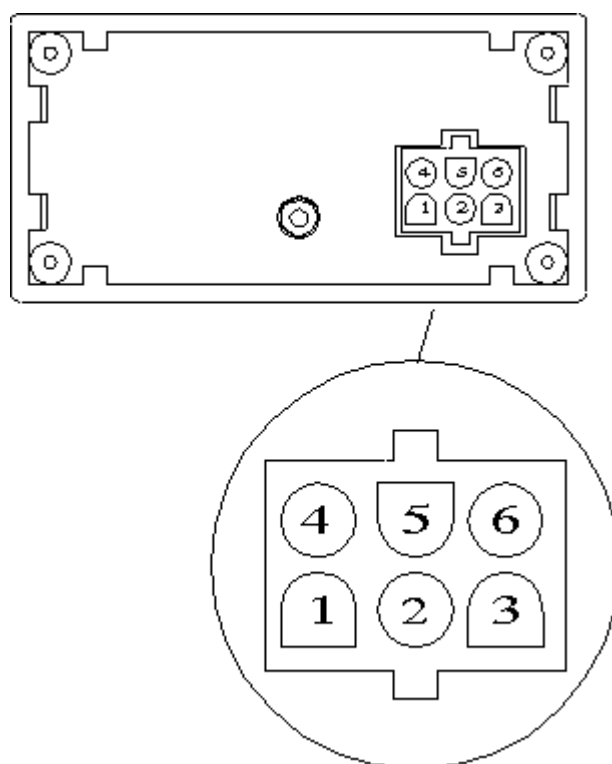
ENVIROMENTALS

- Operating temperature 0°C to 50°C
- Storage temperature -25°C to +85°C
- Relative humidity max. 95% (non condensing)
- Weight 380g.
- Dimensions 96x48x110mm. (s/DIN 43700)
- Panel cutout 92x45mm. (s/DIN 43700)
- Case material 94 V-0 UL-rated polycarbonate

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION



AC VERSION

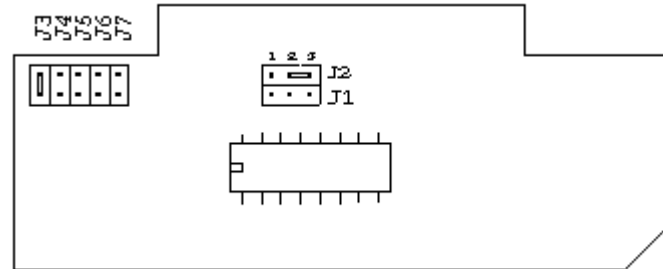
PIN 1 Reset
 PIN 2 Input signal (+)
 PIN 3 Common (GND)
 PIN 4 AC HI
 PIN 5 Excitation
 PIN 6 AC LO (neutral)

DC VERSION

PIN 1 Reset
 PIN 2 Input signal (+)

PIN 3 Common (GND)
 PIN 4 DC positive (+)
 PIN 5 Excitation
 PIN 6 DC negative (-)

INPUT CONFIGURATION



Circuito REF. 339

Input configuration

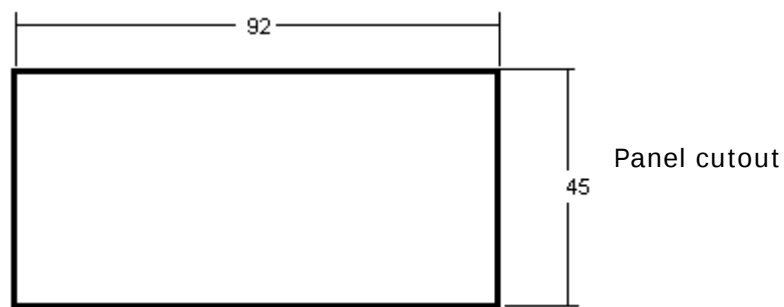
Type of input Jumpers

Magnetic pickup J5
 NAMUR sensor J4 J5 J7
 TTL/24V pulses J3 J7
 Contact closure J3 J5 J6 J7
 NPN sensor J6 J7
 PNP sensor J4 J7
 Count mode configuration

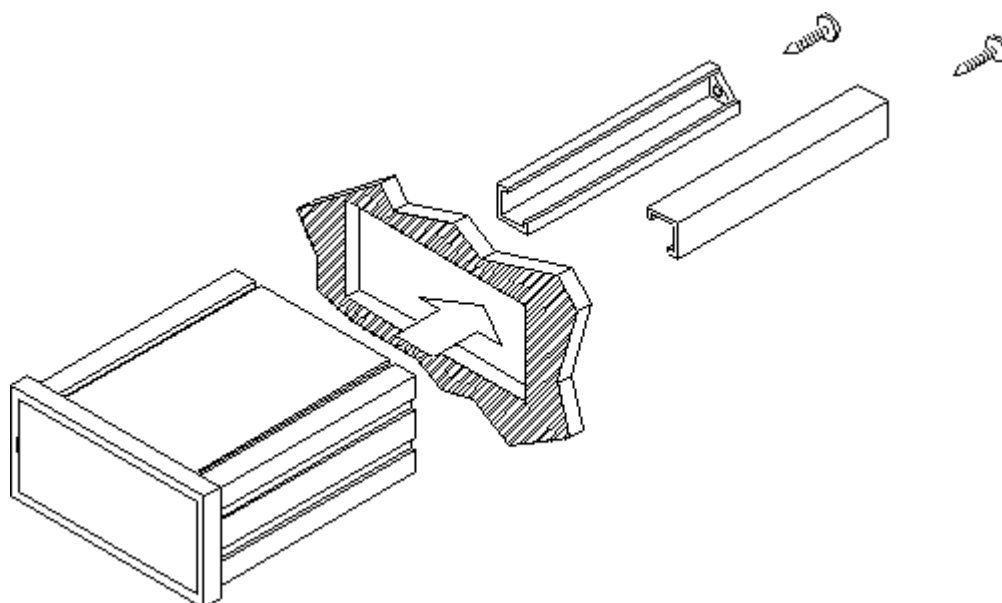
Count mode Jumper J2

Rising edge (1-2)
 Falling edge (2-3)

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

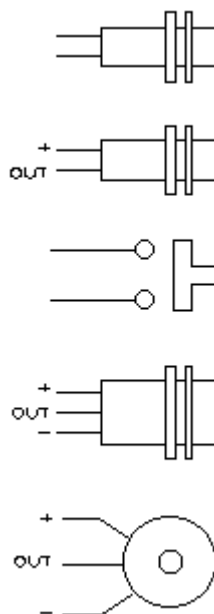
PIN 3 = GND

TTL/24Vdc pulses

PIN 5 = +10V

PIN 2 = SIGNAL

PIN 3 = GND



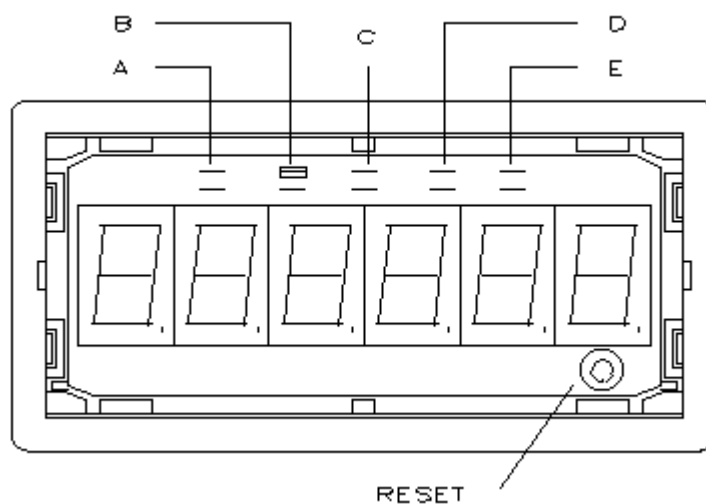
DECIMAL POINT

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

Jumper Display

A	9.99999
B	99.9999
C	999.999
D	9999.99

E 99999.9
None 999999



Warranty:

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