

[DITEL](#): [PRODUCTS](#): [DIGITAL STARS](#): **8790XY04**



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## DESCRIPTION

Model 879 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 made 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 MAT- N-LOK AMP 6 pins connector located at the rear of the unit.

## SELECTION GUIDE

<b>8790</b>	<b>X</b>	<b>Y</b>	<b>0</b>	<b>4</b>
<b>INPUT TYPE</b>				
Magnetic pickup	1			
NAMUR sensor	2			
TTL/24V pulses	4			
Contact closure	6			
NPN sensor	7			
PNP sensor	8			
<b>SUPPLY POWER</b>				
115V 50/60Hz		1		
230V 50/60Hz		2		
12V DC ISOLATED		4		
24V 50/60Hz		7		
24V DC ISOLATED		8		
<b>SILKSCREENED UNIT</b>				

## ORDERING EXAMPLE

**8790 6204 E00** : Pulse counter Series 800

Power: 230V AC (50/60Hz)

Input type: 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 external pushbutton
- Frequency max 1kHz
- Common mode max.  
voltage (signal/power)
- AC Voltages 1000V DC or 1500V ACpp
- DC Voltages  $\pm 400V$  DC

**POWER**

- Supply power
- AC (50/60Hz) 24, 115, 230V AC
- DC (isolated) 12, 24V DC
- Maximum isolation 1000V DC or 1500V ACpp
- Consumption 4W nominal

**TRANSDUCERS EXCITATION**

- Incorporated +10V @ 60mA non stabilized

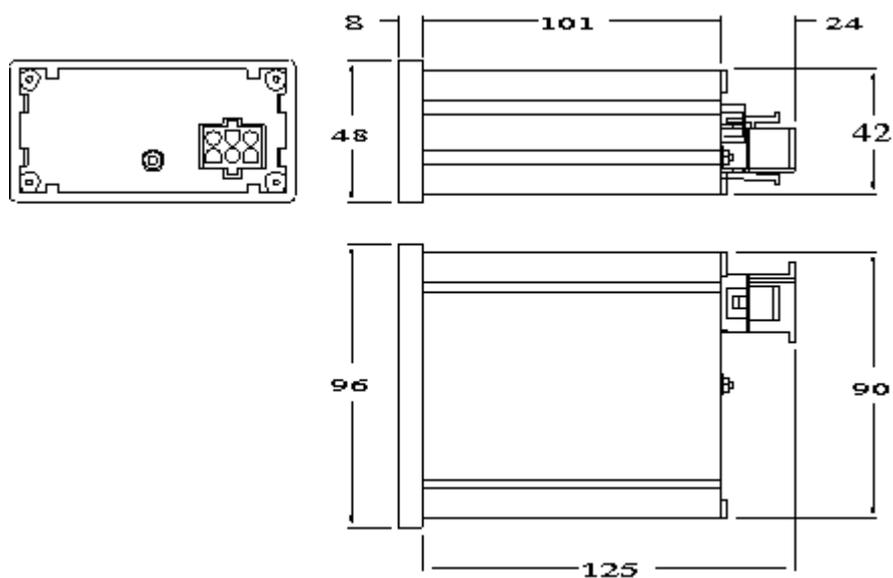
**DISPLAY**

- Type red LED (0.56") 14 mm. high
- Resolution 4 digits (9999)
- Decimal point selectable by soldering jumper

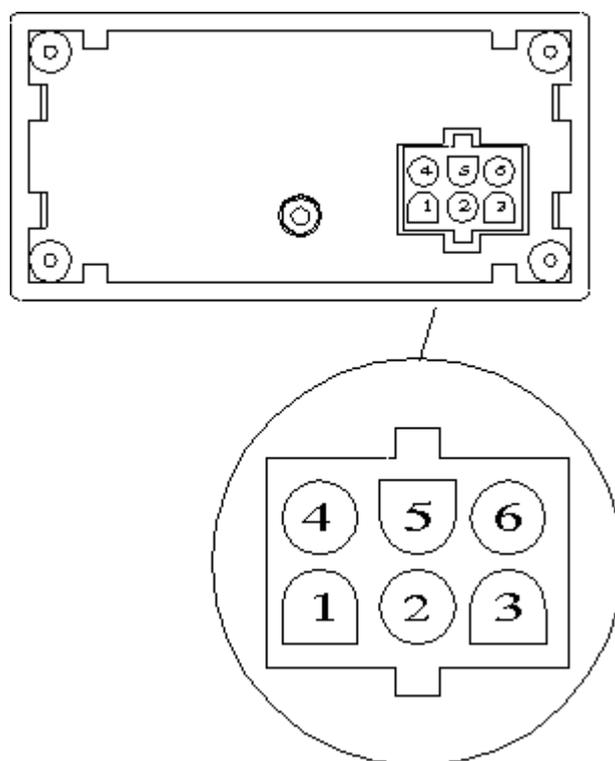
**ENVIROMENTAL**

- Operating temperature 0°C to 50°C
- Storage temperature -25°C to +85°C
- Relative humidity max. 95% (non condensing)
- Weight 300g.
- Dimensions 96x48x110mm. (s/DIN 43700)
- Panel cutout 92x45mm. (s/DIN 43700)
- Case material 94 V-0 UL-rated polycarbonate

**DIMENSIONS (mm)**



### INPUT SIGNAL AND POWER CONNECTION



#### AC VERSION

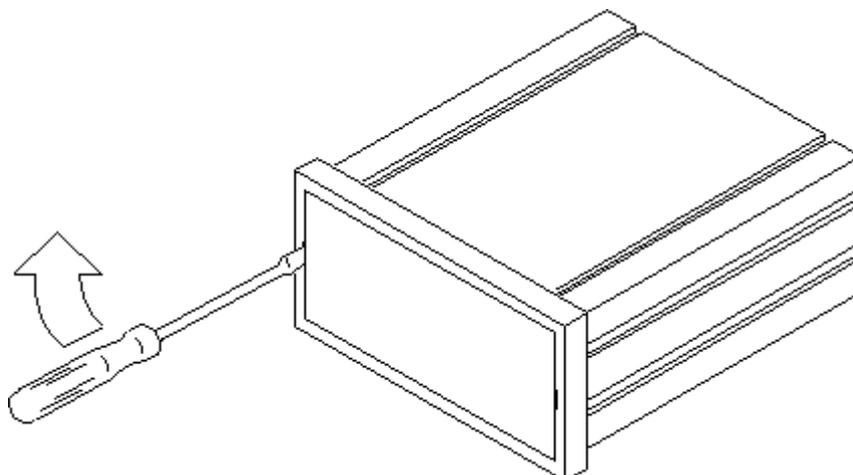
- PIN 1 Reset
- PIN 2 Input signal (+)
- PIN 3 Common (GND)
- PIN 4 AC HI
- PIN 5 Excitation
- PIN 6 AC LO (neutral)

#### DC VERSION

- PIN 1 Reset
- PIN 2 Input signal (+)
- PIN 3 Common (GND)
- PIN 4 DC positive (+)

PIN 5 Excitation  
PIN 6 DC negative (-)

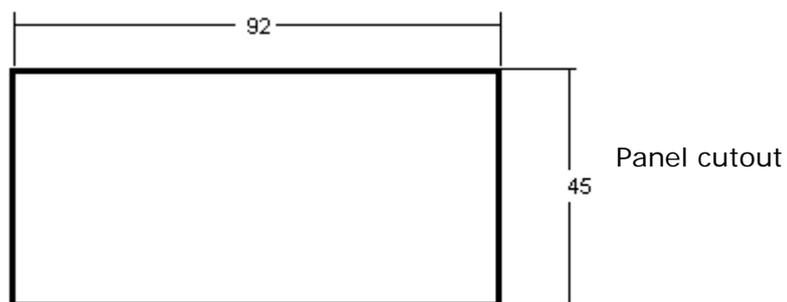
## ACCESS TO CONFIGURATIONS



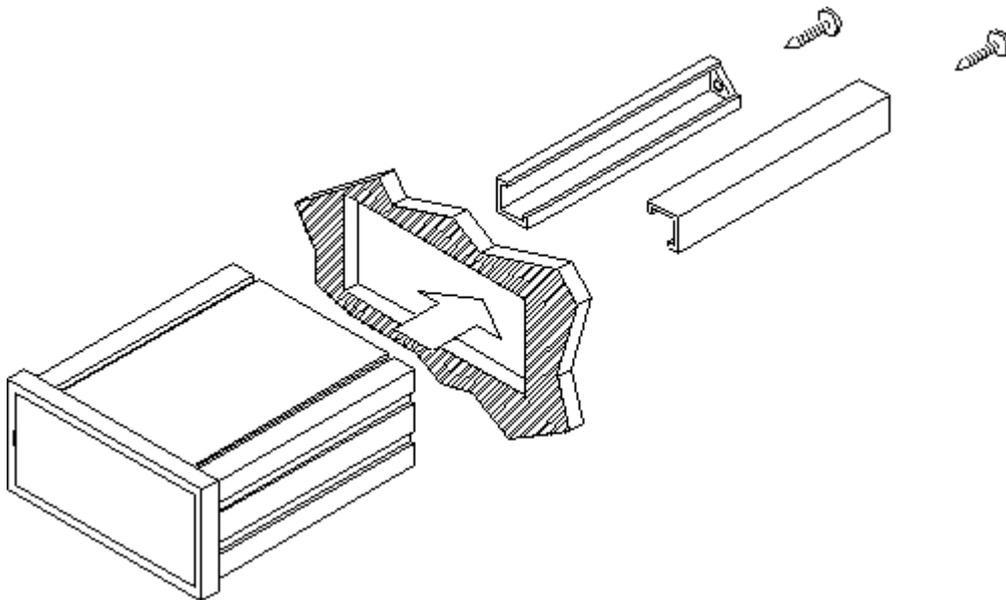
Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally as it is shown in the figure until the lips disengage.

To reinstall lens, insert it completely from one side and press on 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

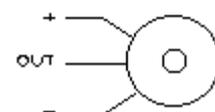
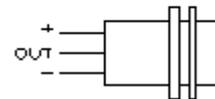
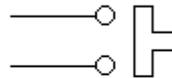
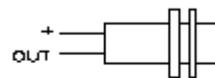
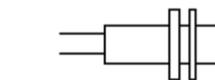
PIN 3 = GND

### TTL/24Vdc pulses

PIN 5 = +10V

PIN 2 = SIGNAL

PIN 3 = GND

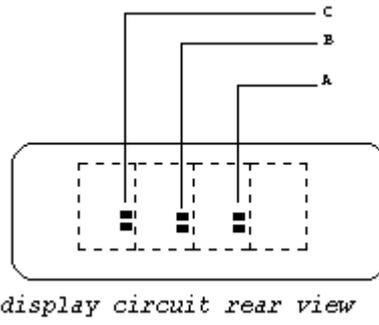


## DECIMAL POINT

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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