

NEW

## 5 digit rate meter and process time indicator

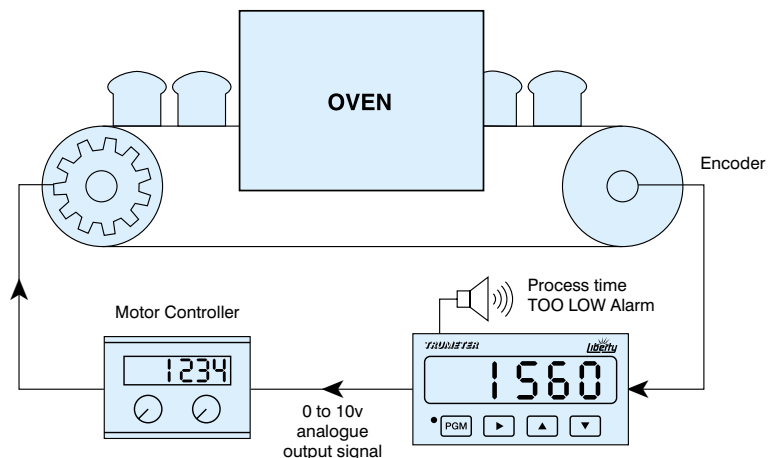


Suitable for a wide range of pulse inputs such as magnetic pick-ups, proximity sensors, photoelectric sensors and flowmeters. The 877X is a versatile unit suitable for many speed or process time indication and control applications

- 14.2mm High visibility LED display
- 1/8 DIN (96mmx48mm) bezel
- Fully programmable
- Programmable display update time 0.1 to 99.9 seconds
- Display scaleable to show engineering units
- (TAU) process time indication
- Programme lock out facility
- AC and DC powered models available
- Analogue re transmission option
- Dual relay output option
- RS485 communications option
- CE, UL and cUL approved

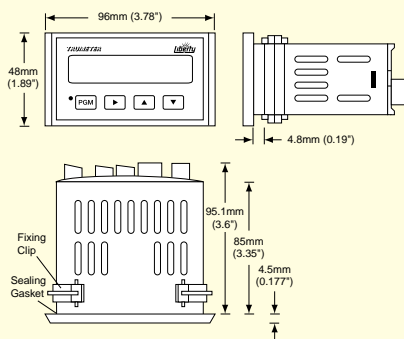
### Typical Application

- \*Machine speed monitoring
- \*Printing press speed display
- \*Bake time indication (process time)
- \*Pasteurisation time display and setting



### Dimensions

Panel cut-out 92 x 45mm +0.4mm-0  
(3.62 x 1.22" +0.015")



### Specification

**Power Supply** AC Powered 85-265VAC 47-63Hz 20VA  
DC Powered 9-30VDC 12VA  
**Sensor supply** 12VDC +/- 12% 75mA max  
**Display** 14.2 mm High visibility LED Display  
**Signal Input** Sink or Source DIP switch selectable  
Thresholds High 3.5 to 28VDC Low 0-1.9VDC for single ended signals  
Magnetic pick up range 200mV pk-pk to 65VRMS into 34.9 kΩ load  
Frequency response contact closure 200Hz max, electronic signals 10kHz max (5V signals) dip switch selectable

**Programme enable input**  
Sink only (4.75kΩ to +5VDC) Internal load  
Thresholds high 3.5 to 28VDC Low 0-1.9VDC  
Response time 25msecs max (5V signal)

**Optional Outputs**  
**Relay output** 2 SPNO (Form C) relays  
Contact rating 5A 250VAC or 30VDC @ unity power factor

**Analogue retransmission**  
4-20mA (<750 Ω load) and 0-10VDC (> 2500 Ω load)

**RS485 Serial Communications**  
Baud rate 1200,2400,4800,9600 or 19,200 programmable Parity Even, odd or no parity  
Address 00-99

**Data Retention**  
EEPROM 100years duration

**Operating Temperature** 0-50°C  
**Storage Temperature** -20-70°C  
**Humidity** 0 to 85%RH non condensing  
**Vibration** 2.5 g's 30-200Hz  
**Shock** 30g's  
**Front Panel Protection** IP65 when properly mounted using gasket supplied  
**Approvals** CE UL and cUL

### Ordering Information

Order by type number:

<b>8770</b>	<b>DC input AC input</b>	
8770-0	8771-0	No O/P option
8770-1	8771-1	Dual relay
8770-2	8771-2	Analogue (4-20mA, 0-10V)
8770-3	8771-3	Dual relay, Analogue (4-20mA & 0 to 10V)
8770-4	8771-4	RS485
8770-5	8771-5	Dual relay, RS485
8770-6	8771-6	Analogue (4-20mA & 0 to 10V), RS485
8770-7	8771-7	Dual relay, analogue (4-20mA & 0 to 10V), RS485