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Liberty 878X Series

Predetermining Counter

6 digit predetermining counter with a 5 digit rate meter.

The 878X is capable of displaying and controlling almost any count application. It has a dual relay output, which can be used to signal or control external devices or processes.

Features

- 14.2mm character high visibility LED display
- 1/8 DIN (96mmX48mm) bezel
- Simple user programming
- Display scaleable to show engineering units
- Programme lock out facility
- AC and DC powered models available
- Analogue re transmission option
- RS485 communications option
- CE approved. (UL and cUL pending)

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 character high visibility LED Display
Signal Input	Sink(NPN) or Source(PNP) DIP switch selectable
Threshold	• 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 kO load
Slow response	200Hz max
Fast response	8.25kHz A or B, 3Khz A and B, QuadX1 and QuadX2 3.25kHz, QuadX4 2Khz
Control Inputs	Sink(NPN) only (4.75kO to +5VDC) internal load
Threshold	• High 3.5 to 28VDC • Low 0-1.9VDC
Response time	25msecs max (5V signal)

Optional Outputs

Relay output	2 SPCO (Form C) relays. Contact rating 5A 250VAC or 30VDC @ unity power factor
Analogue retransmission	4-20mA (<750O load) and 0-10VDC (> 2500O load)
RS485 Serial Communication	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°C to +50°C [32°F to 122°F]
Storage Temperature	-20°C to +70°C [-4°F to 158°F]
Humidity	0 to 85%RH non condensing
Vibration	2.5g's 30-200Hz
Shock	30g's
Front Panel Protection	IP65 (NEMA4X) when properly mounted using gasket supplied
Approvals	CE approved

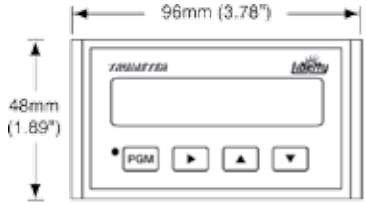
Ordering Information

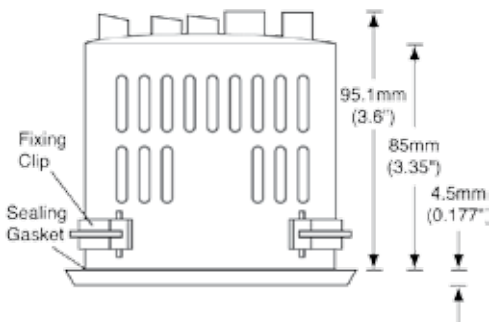
- 8780 DC Powered Predetermining Counter
- 8781 AC Powered Predetermining Counter

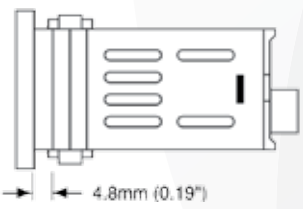
Options – (Select & add to code 8780-?)

- 0 for No Options
- 1 for Dual Relay
- 3 for Dual Relay & Analogue Output
- 5 for Dual Relay & RS485 Comms
- 7 for Dual Relay, Analogue Output & RS485 Comms

e.g. 8780-1 = DC Powered Predetermining Counter with Dual Relay Option Board Fitted







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