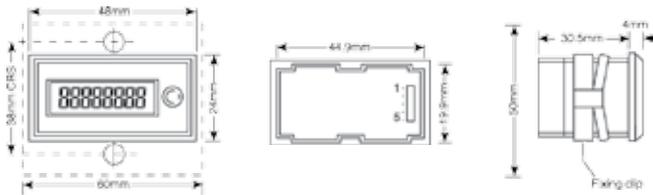




7110DIN

8 Digit Totalising Counter

8 digit LCD self powered totalising counter in a 24 x 48 DIN standard case. Powered by integral lithium batteries these totalising counters have a front panel reset push-button which can be enabled or disabled by a wiring connection or external contact closure.



Features

- Use of the latest CMOS circuitry achieves achieves 10 year battery life
- 7mm black character high contrast LCD display
- Counting up to 10kHz
- Contact closure/open collector low speed count input with integral de-bounce circuitry (7110DIN model)
- Choice of mounting available, front panel with supplied bezel or rear mounting clip
- Front panel can be sealed to IP65/NEMA 4X
- UL, cUL & CE approved.



External connections are made by a standard plug-on connector with colour coded 24cm flying leads (supplied)

Specification

Supply Voltage	Internal lithium long life battery
Display	8 digit black LCD, 7mm characters with leading zero blanking
Count Range	99999999 display rollover to 0
Manual Reset Enable (PIN 2)	Link to COMMON (PIN 1) to enable front panel reset pushbutton
External Reset (PIN 3)	Contact closure/open collector, negative edge triggered, 0.7V threshold, 15mS minimum closure time
Low Speed Count Input (PIN 4)	Contact closure/open collector with integral de-bounce circuitry. 30Hz maximum, negative edge triggered, 0.7V threshold, 15mS minimum closure time
High Speed Count Input (PIN 5)	Electronic input 10kHz maximum, negative edge triggered, 0.7V threshold 50µS minimum pulse length, TTL/CMOS Compatible
Operating Temp	-10°C to +60°C [14°F to 140°F]
Storage Temp	-20°C to +60°C [-4°F to 140°F]
Environmental Protection	IP65/NEMA 4X using gasket supplied
Mounting	Either with clip mount supplied or two front screws with bezel supplied

Ordering Information

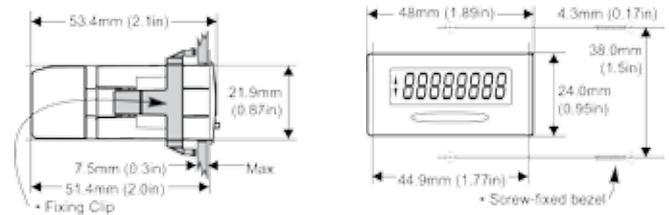
7110DIN - Totalising Counter



7111 Series

8 digit self powered electronic LCD counter

8 digit liquid crystal display counter, self powered with a 10 year battery life. A compact LCD counter designed for many applications, screw terminals ensures fast wiring and features including backlight (external 5VDC supply required), decimal point selection, count direction indication and 9mm high digits. High Voltage (HV) version accepts input voltages of 10-110VDC or 10-240VAC.



Features

- 9mm high contrast LCD display
- 10 year battery life
- Bi-directional counting
- Counts pulses up to 10kHz frequency
- External reset input.
- CE, UL and cUL approved



Specification

Battery life	10 years typical at 1KHz count speed
Display	8 digit black LCD, 9mm characters with leading zero blanking
Count Range	99999999 display rollover to 0
Count Input	10kHz maximum, negative edge triggered, 0.7V threshold, 50µS minimum pulse length, TTL/CMOS Compatible
(HV Version)	10 – 240VAC ±10%, 5 – 110VDC ±10%, Opto-Isolated, maximum 10 pulses per second, minimum 50mS
Reset Input	Negative edge triggered, 0.7V threshold, 15mS minimum pulse length, TTL/CMOS Compatible
(HV Version)	10 – 240VAC ±10%, 5 – 110VDC ±10%, Opto-Isolated, minimum 15mS
Direction Input	Add=logic 1, Subtract=logic 0 (0V)
Operating Temp	-10°C to +60°C [14°F to 140°F]
Storage Temp	-20°C to +60°C [-4°F to 140°F]
Material	Clear polycarbonate
Environmental Protection	IP65 NEMA 4X
Weight	62g [2.2oz.]

Ordering Information

7111 - 8 Digit Self Powered Totalising Counter

7111HV - 8 Digit Self Powered Totalising Counter with High Voltage Input