ZTC 7111
ZTC 7111HV

48mm (1.89in) 4.3mm (0.17in)
38.0mm (1.5in)
24.0mm (0.95in)
44.9mm (1.77in)
• Screw-fixed bezel

53.4mm (2.1in)
21.9mm (0.87in)
7.5mm (0.3in) Max
51.4mm (2.0in)
• Fixing Clip

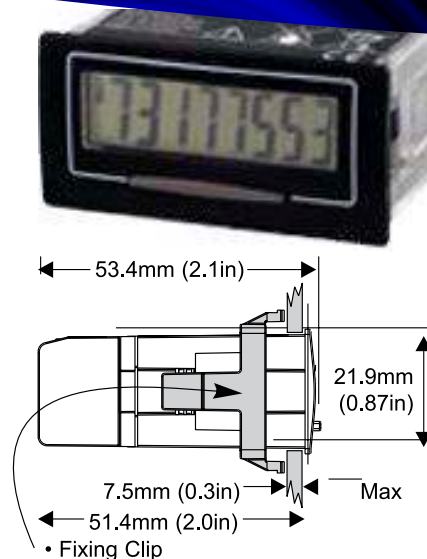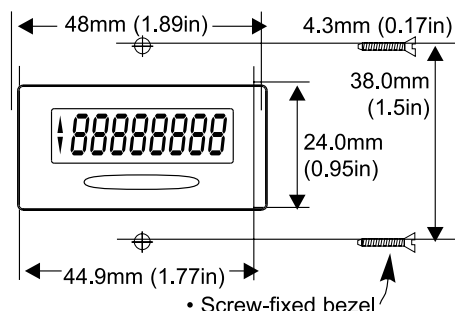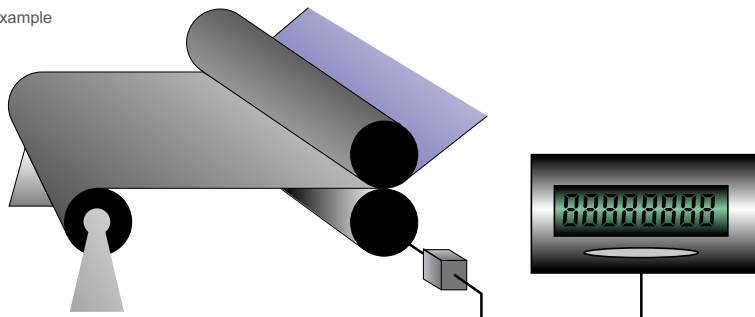## Key Features

- 9mm black high contrast LCD display
- Connection using built in screw terminals (on all models)
- Expected battery life of 10 years
- Backlight (externally powered) 5VDC
- Counting up to 10kHz. (ZTC7111)
- ZTC7111HV permits triggering from any voltage between 10-240VAC or 10VDC-110VDC ±10%
- Contact closure/open collector low speed count input with integral de-bounce circuitry (ZTC7111 model)
- Choice of mounting available, front panel with supplied bezel or rear mounting clip
- Front panel can be sealed to IP65
- Installation is simplified - all models have screw connections on rear for quick and simple connection

Applications

- Replacement for electro-mechanical counters
- Applications where external power is not readily available.
- Position, length, rotation and distance measuring applications.
- Event counting
- Water meters remote display

example

Our most popular remote display for water meters is the 7111 counter. It is easy to install with a two wire hookup.

FLOWMETER WITH CONTACT
CLOSURE OUTPUT

2. LOW SPEED COUNT OUTPUT
6. 0.V COMMON

Common Speciications

Battery	Non-replaceable Lithium battery, expected life10 years at 20°C
Display	8 digit black LCD, 9mm characters, leading zero blanking, backlight requires external 5VDC supply. Conigurable decimal place upto 3 dec place (jumper link conigured).
Count Range	99999999 - rollover to 0
Connections	Finger-proof screw connections for cables up to 1.5mm2
Operating temperature	-10°C to +60°C (14°F to 140°F)
Storage temperature	-20°C to +60°C (-4°F to 140°F)
Altitude	Up to 2000m
Relative Humidity	80% max up to 31°C, decreasing to 50% max at 40°C
Sealing	IP65/NEMA4X
Mounting	Either with clip mount supplied or two front screws with bezel supplied.
Manual Reset Enable	Conigured by jumper link
Packed Weight	62 gr.

Speciications ZTC7111

Direction Input	Connection or electronic input TTL/CMOS compatible. Add=no connection or >2.4v (logic 1); Subtract=connect to COMMON or <0.7v (logic 0). Direction input must precede count input by 5µS (minimum) for valid operation.
External Reset	Contact closure/open collector, negative edge triggered, 0.7v threshold, 15mS minimum closure time.
Low Speed Count Input	Contact closure/open collector with integral de-bounce circuitry. 30Hz maximum, negative edge triggered, 0.7v threshold, 15mS minimum closure time. Max 18VDC.
High Speed Count Input	Electronic input 10kHz maximum, negative edge triggered, 0.7v threshold 50µS minimum pulse length, TTL/CMOS Compatible. Max 18VDC.

Speciications ZTC7111HV

External Reset	10-110VDC ±10%, 10-240VAC ±10%, 50mS minimum length.
Direction Input	Connection or electronic input TTL/CMOS compatible. Add=no connection or >2.4v (logic 1); Subtract=connect to COMMON or <0.7v (logic 0). Direction input must precede count input by 5µS (minimum) for valid operation. Max 18VDC.
Count Input	10-110VDC± 10%, 10-240VAC± 10%, 50mS minimum pulse width, 10Hz.

Distributor: