



### Description

The Redington Model 33 line of LCD counters/hour meters provides a large display, 7mm, in the industry size housings. The hour meters and counters are available in a variety of mountings: 2-hole rectangular, 3-hole round, flush-round and flush-rectangular. Voltage operating ranges are 8-32 VDC, 32-277VAC 50/60Hz. All models are totally sealed from moisture and dirt and conform to NEMA 4 & 4X specifications when mounted with the optional gasket. Their rugged construction makes them ideal replacements for current counters and hour meters. Units have polarized LCD for high visibility in sunlight.

### Features

- Totally sealed from moisture and dirt
- Fits into existing panel cut-outs
- Run indicator-blinking decimal point (Hour Meter only)
- Always on display
- Compact depth
- AC Hour Meters are not frequency sensitive
- Clip retainer mount or screws (supplied)

### Options

- Custom logos and bezels
- Various voltage inputs
- Terminations
- Remote reset
- Gaskets
  - 5003-002S Gasket for 2-hole mount
  - 5003-003S Gasket for flush-rectangular mount
  - 5003-004S Gasket for flush-round mount
  - 5003-005S Gasket for 3-hole round mount

### Specifications

<b>Display:</b>	Large 0.28" [7mm] LCD, black on light background	<b>Shock:</b>	44 to 55g's, SAE J1378
<b>Run indicator:</b>	Blinking decimal point (Hour Meter only)	<b>Vibration:</b>	10 to 80 Hz, SAE J1378
<b>Quartz accuracy:</b>	0.02% over entire voltage & temperature range (Hour Meter only)	<b>Humidity:</b>	95% SAE J1378
<b>Records &amp; Displays:</b>	8 digit Counter (99999999) 6 digit Hour Meter (99999.9)	<b>Operating temperature:</b>	-40°F to +185°F [-40°C to +85°C]
<b>Inputs:</b>	8-32VDC, 32-277VAC-50/60Hz	<b>Sealing:</b>	Totally sealed, Panel gaskets-NEMA 4 & 4X
<b>Battery life:</b>	7+ years	<b>Agency approvals:</b>	CE compliant UL/cUL recognized for DC & AC
<b>Protection against:</b>	Alternator load dump: 150V EMI(Electromagnetic Interference): +400V @ 500Hz Inductive switching and reverse polarity	<b>Termination:</b>	0.250" [6.4mm] spades
		<b>Case material:</b>	Polymer (black)
		<b>Weight:</b>	1oz [28g]
		<b>Warranty:</b>	Two years

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DC Models	
<b>Counters</b>	
3300-0000	2-Hole, 8-32VDC 35 cps
3300-1000	3-Hole, 8-32VDC, 35 cps
3300-2000	Flush-Rectangular, 8-32VDC, 35 cps
3300-3000	Flush-Round, 8-32VDC, 35 cps

Hour Meters	
3310-0000	2-Hole, 8-32 VDC, Hours & 1/10's
3310-1000	3-Hole Round, 8-32 VDC, Hours & 1/10's
3310-2000	Flush-Rectangular, 8-32 VDC, Hours & 1/10's
3310-3000	Flush-Round, 8-32 VDC, Hours & 1/10's

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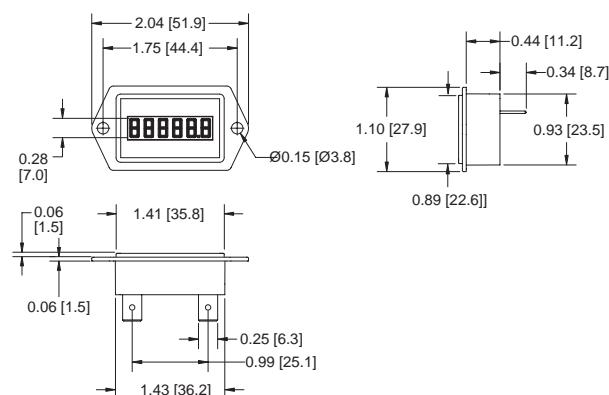
AC/DC Models	
<b>Counters</b>	
3301-0000	2-Hole, 32-277VAC, 50/60Hz, 35 cps
3301-1000	3-Hole Round, 32-277VAC, 50/60Hz, 35 cps
3301-2000	Flush-Rect., 32-277VAC, 50/60Hz, 35 cps
3301-3000	Flush-Round, 32-277VAC, 50/60Hz, 35 cps
<b>Hour Meters</b>	
3311-0000	2-Hole, 32-277 VAC, 50/60Hz, Hours & 1/10's
3311-1000	3-Hole Round, 32-277 VAC, 50/60Hz, Hours & 1/10's
3311-2000	Flush Rect., 32-277 VAC, 50/60 Hz, Hours & 1/10's
3311-3000	Flush-Round, 32-277 VAC, 50/60 Hz, Hours & 1/10's

Note; For Reset Part Numbers change the 7<sup>th</sup> number to "1" (i.e. 3310-0010)



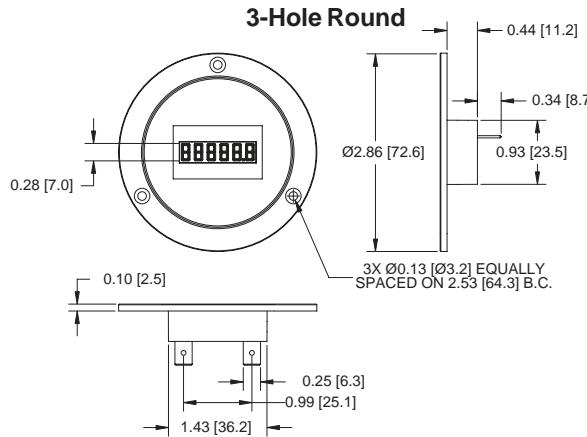
## Dimensions

## 2-Hole

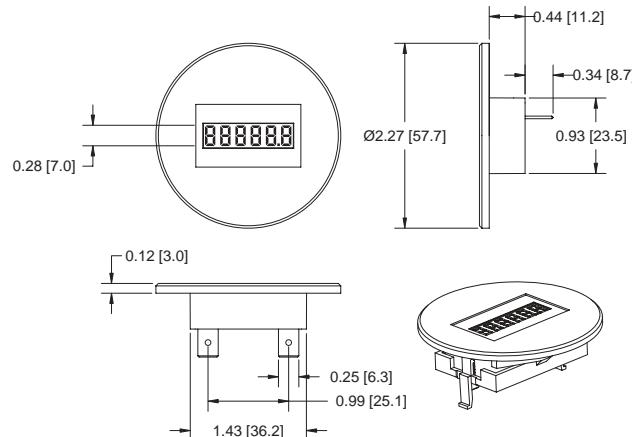


PANEL OPENING: 0.95 x 1.45 [24 x 37]

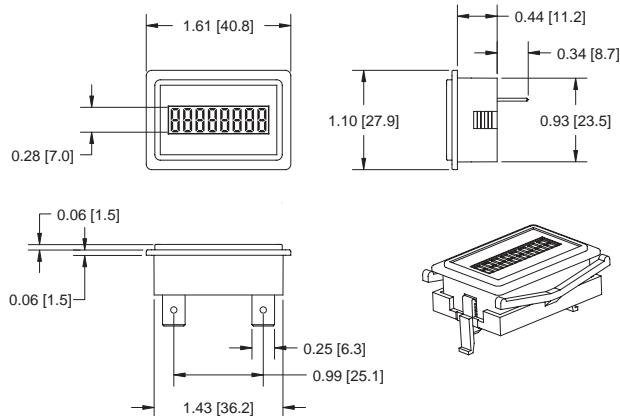
## 3-Hole Round

PANEL OPENING: 0.95 x 1.45 [24 x 37]  
Bolt Hole Circle: 2.53 [64.3]

## Flush-Round

PANEL OPENING: 0.95 x 1.45 [24 x 37]  
PANEL THICKNESS: 0.15 [3.8]

## Flush-Rectangular

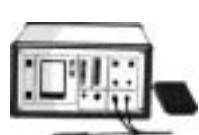
PANEL OPENING: 0.95 x 1.45 [24 x 37]  
PANEL THICKNESS: 0.15 [3.8]

## Applications

## Agricultural Equipment



## Medical Devices



## Pressure Washers



## Sweepers



## Construction Equipment



## Marine Applications



## Generators



## Office Equipment



## Test Equipment



## Boom Lifts



## Compressors



## Utility Vehicles

