



Description

The Redington Model 33 line of LCD hour meters provides a large display, 7mm high figures, in the industry size housings. The hour meters are available in a variety of mountings: 2-hole rectangular, 3-hole round, flush-round and flush-rectangular. Voltage operating ranges are 10-277 VDC AND 20-277VAC 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 hour meters. Units have polarized LCD for high visibility in sunlight.

Features

- AC or DC voltage input in the same unit
- Totally sealed from moisture and dirt
- Run indicator-blinking decimal point
- Always on display
- Compact depth
- AC Voltage input is not frequency sensitive
- Clip retainer mount or screws (supplied)

Options

- Custom logos and bezels
- Terminations
- Remote reset - dry contact with 6" wire leads
- 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

**Display:** LCD with large 0.28" [7mm] high figures, black on light background

**Run Indicator:** Blinking decimal point

**Quartz Accuracy:** 0.02% over entire voltage & temperature range

**Records & Displays:** 6 digit (99999.9)

**Inputs:** 10 to 277VDC AND 20-277VAC-50/60Hz  
 Vih\* 20VAC or 10VDC minimum  
 Vil\* 3VAC or 3VDC maximum

**Battery Life:** 7+ years

**Shock:** 44 to 55g's, SAE J1378

**Vibration:** 20 g @ 10 to 80 Hz, SAE J1378

**Humidity:** 95% SAE J1378

**Operating Temperature:** -40°F to +185°F [-40°C to +85°C]

**Sealing:** Totally sealed, panel gaskets-NEMA 4 & 4X CE compliant

**Agency Approvals:** UL/cUL recognized (file# ELIY2.E36690)

**Termination:** 0.250" [6.4mm] spades

**Reset:** Optional - dry contact with 6" wire leads

**Case Material:** Polymer (black)

**Weight:** 1oz [28g]

**Protection Against:** Alternator load dump: 150V  
 EMI(Electromagnetic Interference): +400V @ 500Hz inductive switching and reverse polarity

\* Vih is the input high voltage. This is specified as the minimum input voltage that the Model 33 will recognize as a high level.  
 Vil is the input low voltage. This is specified as the maximum input voltage that the Model 33 will recognize as a low level.

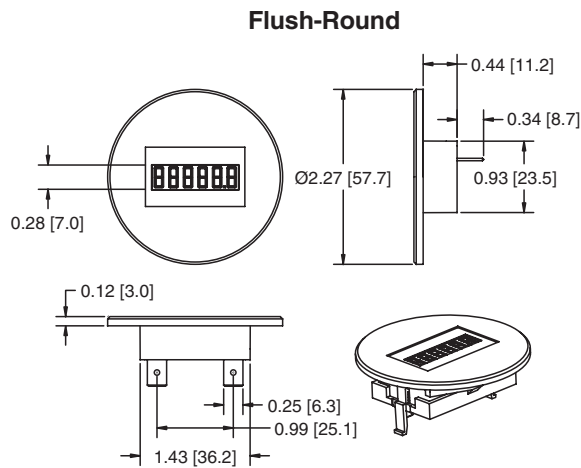
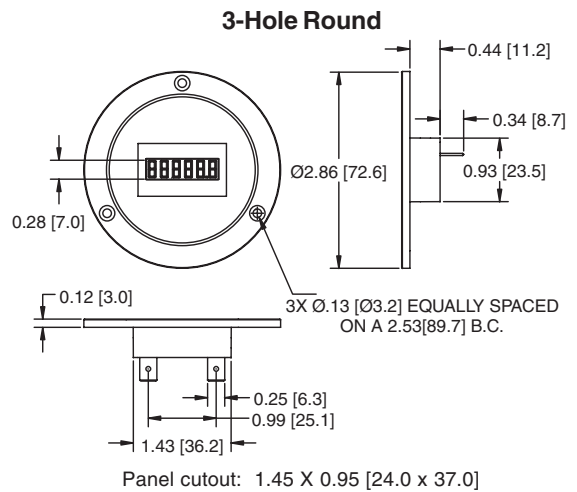
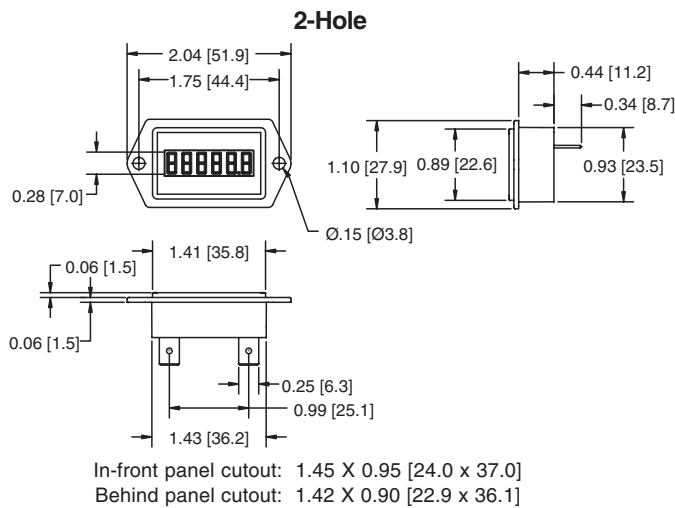
Note: When interfacing the Model 33 with a Solid State Relay or AC Sensor, the leakage current needs to be considered. Contact the factory or see the application note at [www.redingtoncounters.com](http://www.redingtoncounters.com) for further information.

Models	Description	Models	Description
3311-0000	2-Hole Rect., 10-277 VDC AND 20-277VAC	3311-0010	2-Hole Rect., 10-277 VDC AND 20-277VAC, remote reset
3311-1000	3-Hole Round, 10-277 VDC AND 20-277VAC	3311-1010	3-Hole Round, 10-277 VDC AND 20-277VAC, remote reset
3311-2000	Flush Rect., 10-277 VDC AND 20-277VAC	3311-2010	Flush Rect., 10-277 VDC AND 20-277VAC, remote reset
3311-3000	Flush-Round, 10-277 VDC AND 20-277VAC	3311-3010	Flush-Round, 10-277 VDC AND 20-277VAC, remote reset

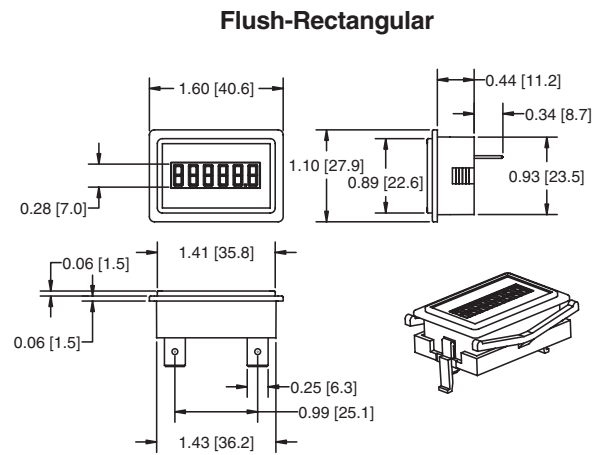
All parts are normally in factory stock.



Dimensions



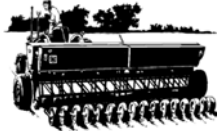
Panel cutout: 1.45 X 0.95 [24.0 x 37.0]  
Maximum panel thickness: 0.15 [3.8]



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Maximum panel thickness: 0.15 [3.8]

Applications

Agricultural Equipment



Medical Devices



Pressure Washers



Sweepers



Construction Equipment



Marine Applications



Generators



Office Equipment



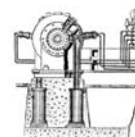
Test Equipment



Boom Lifts



Compressors



Utility Vehicles

