



Description

The Redington Model 33 line of LCD counters provides a large display, 7mm high figures, in an eight digit counter. The counters 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. 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 electromechanical counters. 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
- Always on display
- Compact depth
- 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
Records & Displays: 8 digit (99999999)
Inputs: 10 to 277VDC AND 20-277VAC
Vih* 20VAC or 10VDC minimum
Vil* 3VAC or 3VDC maximum
Speed: 25 counts per second
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
Agency Approvals: CE compliant
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]

* 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.

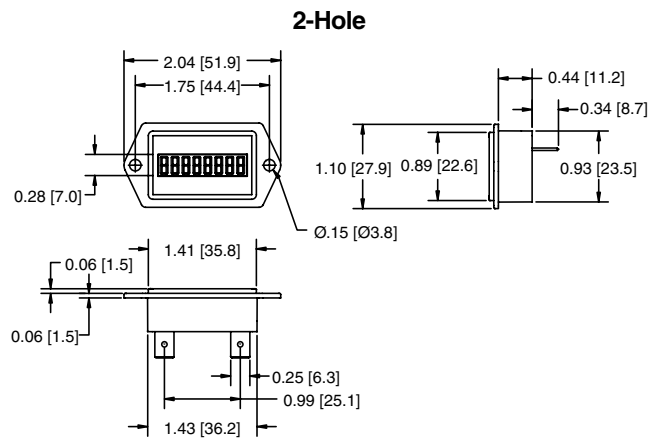
Note: When interfacing the Model 33 with a Solid State Relay or AC Sensor, the leakage current needs to be considered. Contact the factory or see the application note at www.redingtoncounters.com for further information.

Models	Description	Models	Description
3301-0000	2-Hole Rect., 10-277 VDC AND 20-277VAC	3301-0010	2-Hole Rect., 10-277 VDC AND 20-277VAC, remote reset
3301-1000	3-Hole Round, 10-277 VDC AND 20-277VAC	3301-1010	3-Hole Round, 10-277 VDC AND 20-277VAC, remote reset
3301-2000	Flush-Rect., 10-277 VDC AND 20-277VAC	3301-2010	Flush-Rect., 10-277 VDC AND 20-277VAC, remote reset
3301-3000	Flush-Round, 10-277 VDC AND 20-277VAC	3301-3010	Flush-Round, 10-277 VDC AND 20-277VAC, remote reset

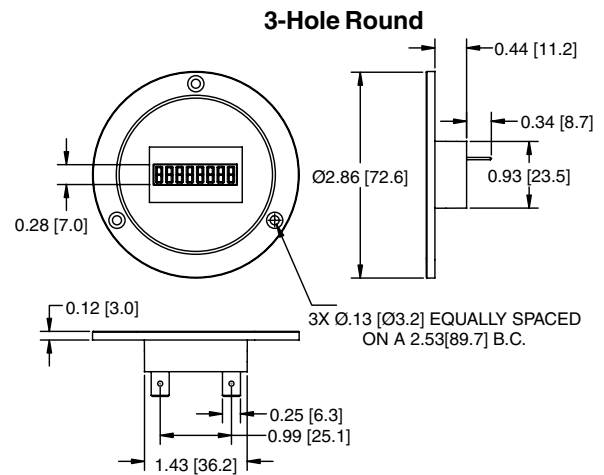
* All Items are normally in factory stock.



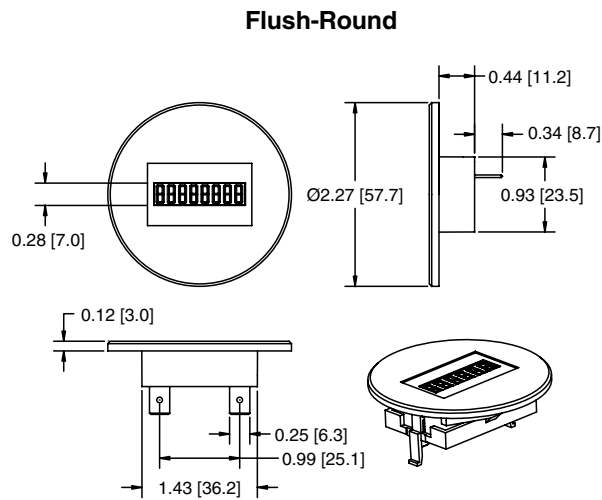
Dimensions



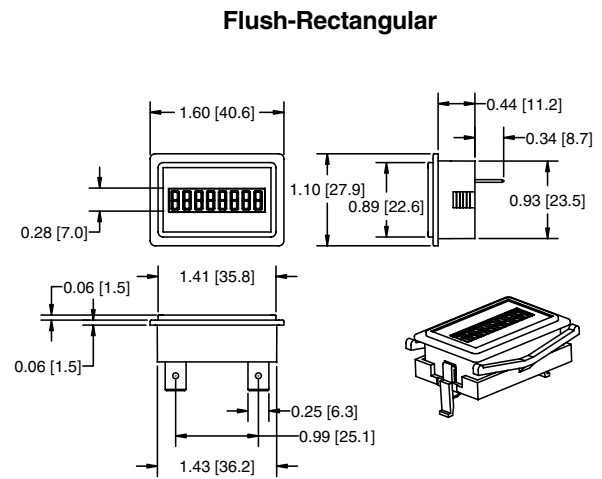
In-front panel cutout: 1.45 X 0.95 [24.0 x 37.0]
Behind panel cutout: 1.42 X 0.90 [22.9 x 36.1]



Panel cutout: 1.45 X 0.95 [24.0 x 37.0]



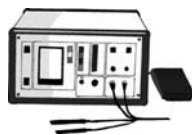
Panel cutout: 1.45 X 0.95 [24.0 x 37.0]
Maximum panel thickness: 0.15 [3.8]



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

Applications

Medical Devices



Control Panels



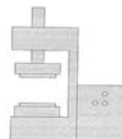
Secondary Equipment



Test Equipment



Production Equipment



Office Equipment

