Model 51 Electronic LCD Hour Meter/Maintenance Meter

Description

The Redington Model 51 line of 5 figure LCD meters provides a large display in the industry size package. A choice of mountings, Round, 2 Hole Dual, Mini Rectangular or Surface Mount. A custom microprocessor, capable of being programmed to create an almost infinite matrix of models is ideally suited for OEM applications. Available in 3 inputs, DC, AC or Inductive. Maintenance Meters are offered with a "Redi-Alert" to alert users when service is due. Not only does the display flash to get attention, but it displays specific maintenance service needs to be done. Units have Polarized LCD for high visibility in sunlight. Servicing equipment on time is critical to efficient operation and long equipment life. That is why you should consider Redington's "Redi-Alert" meters. Redi- Alert offers two independent alarms (both fully programmable) to alert users when service is due. Alarms are fully automatic; coming on and shutting off at times determined by the OEM.

Features

- Totally sealed from moisture and dirt
- Fits in existing panel openings
- "Redi-Alert" for preventive maintenance
- Icons for specific maintenance needs
- Tachometer/Hour Meter versions
- Automatic rollover
- Hour glass symbol appears & flashes on/off to indicate running time
- Various voltage inputs
- Short depth
- Always on display

Options

- Various voltage inputs
- Alarm outputs: audible or visual (external voltage required)
- Custom logos & bezels
- Terminations: stud, wire, screw, or blade
- Alternator and filtered versions
- Key Kancel (alarm reset via external key or wand)

Specifications

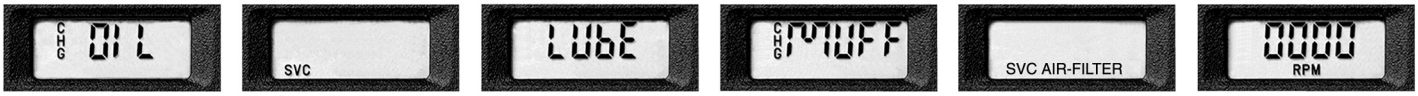
Display:	Large 0.20" [5mm] LCD, black on light background
Records & Displays:	5 digits (9999.9)
Resolution:	0.1 hours
Quartz Accuracy:	0.02% over entire voltage & temp. range
Inputs:	8-32 VDC, 32-277 VAC-50/60HZ
Operating Temperature:	-40°F to +160°F [-40°C to +71°C]
Battery Life:	15 years
Current Consumption:	1 mA (for multi-range voltages 1 mA applies to lower voltage)
Approvals:	AC-UL/cUL Recognized, CE Compliant
Protection Against:	Transient voltage, inductive switching, reverse polarity, frequency variations
Alternator Load Dump:	150 V
Shock:	SAE J1378 55g
Vibration:	SAE J1378 20g
Humidity:	SAE J1378 95% RH
Termination:	Panel mount standard terminals, 0.250 male blade (s), surface mount- wire lead
Case Material:	ABS, black, 100% epoxy filled
Weight:	1 oz. [28g]

Models	Description	
DC Models		
5120-1000	Panel Mount, Round,	8-32 VDC, Hours & 1/10's
5120-1100	Panel Mount, Mini,	8-32 VDC, Hours & 1/10's
5120-1200	Panel Mount, 2 Hole,	8-32 VDC, Hours & 1/10's
AC Models		
5120-2000	Panel Mount, Round,	32-277VAC, 50/60 Hz, Hours & 1/10's
5120-2100	Panel Mount, Mini,	32-277 VAC, 50/60 Hz, Hours & 1/10's
5120-2200	Panel Mount, 2 Hole,	32-277 VAC, 50/60 Hz, Hours & 1/10's

Models	Description	
Inductive Models		
5120-0000	Panel Mount, Round,	Inductive, Hours
5120-0100	Panel Mount, Mini,	Inductive, Hours
5120-0200	Panel Mount, 2 Hole,	Inductive, Hours
5140-0000	Panel Mount, Round,	Inductive, Hours & 1:1Tach
5140-0100	Panel Mount, Mini,	Inductive, Hours & 1:1Tach.
5140-0200	Panel Mount, 2 Hole,	Inductive, Hours & 1:1Tach.
5120-0310	Surface Mount,	Inductive, Hours
5140-0311	Surface Mount,	Inductive, Hours w/1:1Tach. Change oil Alert @ 25hr./2 hr. flash Lube Alert @ 25hr./2 hr. flash

* Items in bold are normally in factory stock.

Alarm Specifications



Alarms programmable for your applications

ALARM # 1
Programmable for a “first time” (break in service) or a normal recurring service interval.

ALARM # 2
Same as alarm # 1, but without the “first time” interval.

ALARM/ FLASH DURATION
OEM’s specify the service interval and flash duration for each alarm. Flash duration is the amount of time in hours that the specified icon flashes before and after the service interval.

ALARM RESET
The standard alarm alert is fully automatic with no operator interface necessary. The alarm simply flashes the specified icon for the duration called out by the OEM. Controlled reset options are available for a higher level of security. *Contact factory for additional information.*

MAINTENANCE METER ALARM SPECIFICATIONS

ALARM #1
1st time service interval range (2 to 99 hrs. occurs only once)

Flash duration: 1 to 99 hrs. (Time flashing before & after service interval)

Normal service interval range: 2 to 999 hrs. (Recurring)

Available icons: CHG OIL, LUBE, CHG MUFF, SVC-AIR FILTER, SVC-Lower left/right side of display

ALARM # 2
Normal service interval range: 2 to 999 hrs. (Recurring)

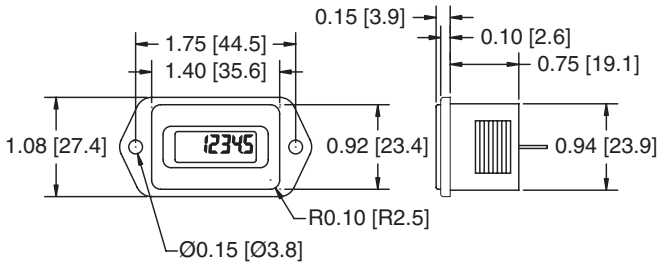
Available icons: CHG OIL, LUBE, CHG MUFF, SVC-AIR FILTER, SVC-Lower left/right side of display

Flash duration: 1 to 99 hrs. (Time flashing before & after service interval)

Alarms flash specified icon 4 seconds then flash hour 4 seconds throughout alarm duration.

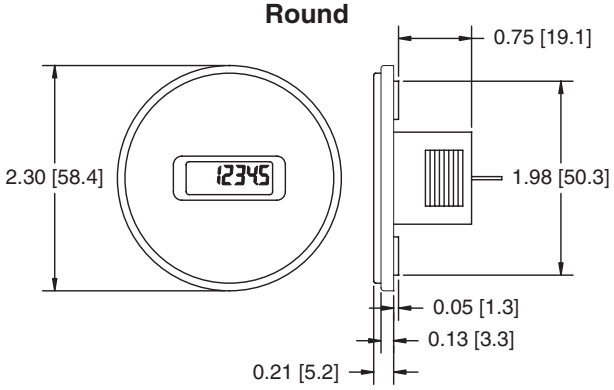
Dimensions

2 Hole Dual Mount



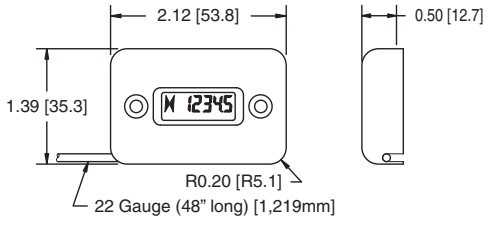
Above panel cutout 1.46 x 0.95 [37.1 x 24.1] opening
Behind panel cutout 1.41 x 0.93 [35.8 x 23.6] opening

Round



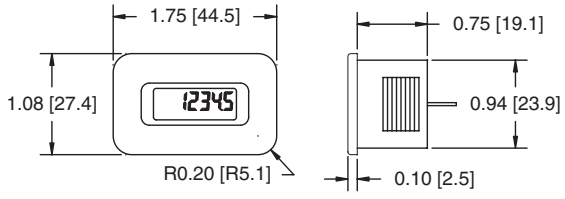
Spring clip retainer, Fast installation
Panel cutout 2.0 [50.8] diameter

Surface Mount



Mounting holes are 1 1/2” [38.1] spacing
Hole Diameter is 1/8” [3.2]

Mini Rectangular

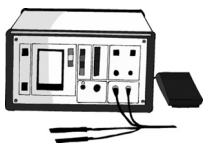


Compact Bezel Design, Spring clip retainer, Fast installation, Panel cutout 1.46 x 0.95 [37.1 x 24.1] opening.

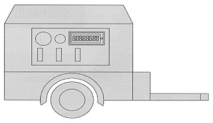
Applications

Construction Equipment

Medical Devices



Generators



Marine Applications

Garden Tractors