Item # 5120-1200 DC Model- Panel Mount, 2 Hole, 8-32 VDC, Hours and 1/10's

DC Model- Panel Mount, 2 Hole, 8-32 VDC, Hours and 1/10's

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.

Specifications

Model No.	51
Mounting	Panel Mount, 2 Hole
Termination	0.250 male blade (s)
Display	Large 0.20 inch (5 mm) LCD, black on light background
Display Height	0.20 Inch
Display Height	5 mm
No. of Digits	5
Records	9999.9 hours
Quartz Accuracy	0.02% over entire voltage and temperature range
Input Voltage	8-32 VDC
Current Consumption	1 mA
Battery Life	15 Years
Operating Temperature	-40 to +160 °F
Operating Temperature	-40 to +71 °C
Panel Cutout	1.41 x 0.93 (Opening, Behind) Inch 1.46 x 0.95 (Opening, Above) Inch
Panel Cutout	35.8 x 23.6 (Opening, Behind) mm 37.1 x 24.1 (Opening, Above) mm

Weight	1 oz
Weight	28 gm
Approvals	AC-UL/cUL Recognized, CE Compliant
Protection Against	Transient voltage, inductive switching, reverse polarity, frequency variations
Alternate Load Dump	150V
Case Material	ABS, black, 100% epoxy filled
Shock	SAE J1378 55g
Vibration	SAE J1378 20g
Humidity	SAE J1378 95% RH
Indication of Time for Hour Meter	0.1 hours
Tachometer resolution	10 RPM
Tachometer maximum RPM's	7000
Stock Availability	Yes

Description

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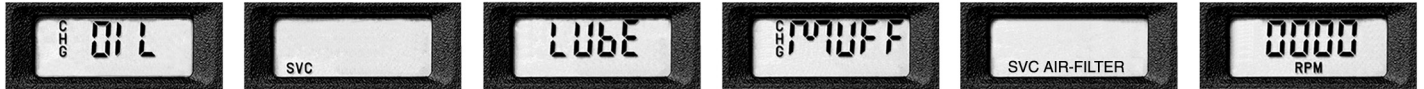
Alarms programmable for your applications

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)

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

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

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)

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

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

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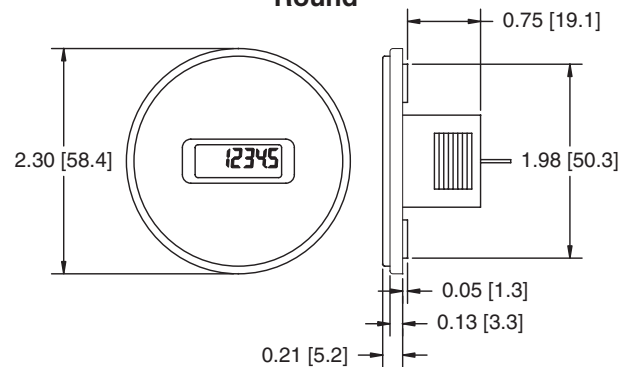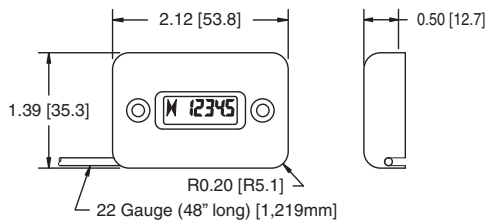
Dimensions

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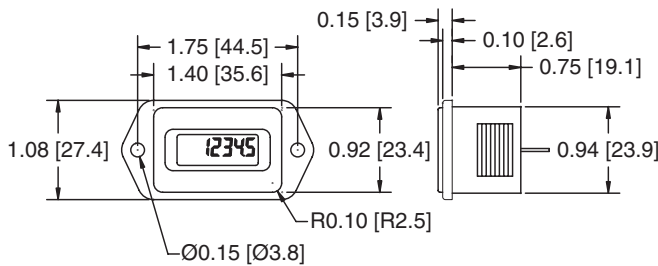
Above panel cutout 1.46 x 0.95 [37.1 x 24.1] opening
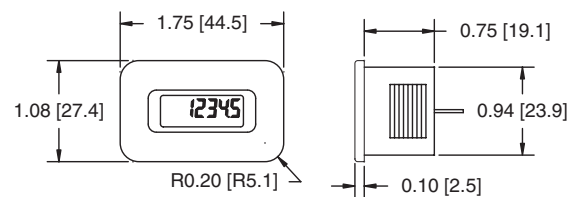Behind panel cutout 1.41 x 0.93 [35.8 x 23.6] opening

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.

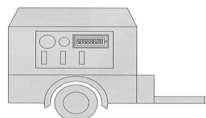## Applications

Construction Equipment   Medical Devices   Generators   Marine Applications   Garden Tractors