



Description

A 6 figure general purpose, rugged, electromechanical counter, either panel or base mounted, with manual knob reset, key reset, or non-reset. Frame and housing provides rigid support for accurate alignment and trouble-free use. Distinctive numerals enhance visibility under adverse viewing conditions.

Features

- Panel or base mount
- Rigid support for accurate alignment
- Enhanced visibility
- Manual knob, key or non-reset

Options

- Voltages
- Lead lengths
- Terminations
- Mounting
- 1071-024S - additional key for model 1026

Specifications

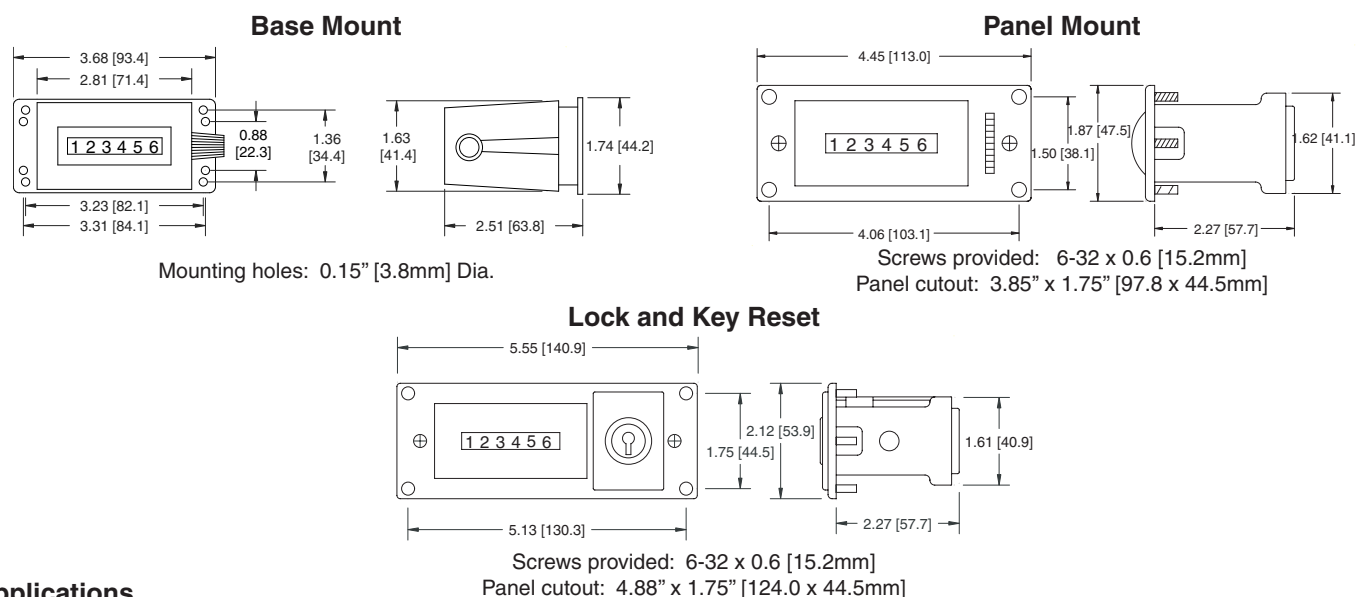
Figures: 6 figures, white on black, 0.19" [5mm] high
Reset: Knob, lock and key, or non-reset
Speed: 1,000 counts/minute (min. 30ms - on, 30ms - off)
Voltage: 24, 115, 230 VAC or 24 VDC
 (+/- 10%, but not to exceed 10 volts)
Power: 7.8 watts (nominal)

Mounting: Base or panel
Terminations: (2)#22 AWG 105°C wire leads, 8" [203mm] long
Operating Life: Beyond 50 million counts
Temp. Range: -15°F to +140°F [-26°C to +60°C]
Approvals: UL Recognized, CSA Certified, CE Compliant
Weight: 18 to 22 oz. [510 to 624g]

Models	Description	Models	Description
1-1006	230VAC, base mount, knob reset	P3-1006	24VAC, panel mount, knob reset
2-1006	115VAC, base mount, knob reset	P8-1006	24VDC, panel mount, knob reset
3-1006	24VAC, base mount, knob reset	P2-1016	115VAC, panel mount, non-reset
8-1006	24VDC, base mount, knob reset		
2-1016	115VAC, base mount, non-reset		
P1-1006	230VAC, panel mount, knob reset	P31-1026	230VAC, panel mount, lock and key reset
P2-1006	115VAC, panel mount, knob reset	P32-1026	115VAC, panel mount, lock and key reset
		P33-1026	24VAC, panel mount, lock and key reset
		P38-1026	24VDC, panel mount, lock and key reset

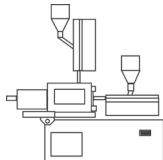
* Items in bold are normally in factory stock.

Dimensions

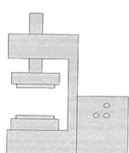


Applications

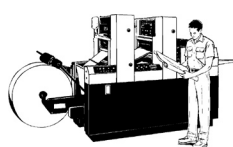
Molding machines



Punch press



Printing presses



Test labs



Secondary Machines





Description

A 7 figure, rugged, electromechanical counter, either panel or base mounted, with manual knob reset, key reset, or non-reset. Frame and housing provides rigid support for accurate alignment and trouble-free use. Large, easy-to-read numerals assure readability.

Features

- 7 figure
- Panel or base mount
- Rigid support for accurate alignment
- Large easy to read numerals

Options

- Voltages
- Lead lengths
- Terminations
- Wheel color

Specifications

Figures: 7 figures, white on black, 0.19" [5mm] high

Reset: Knob, lock and key, or non-reset

Speed: 1,000 counts/minute
(min. 30ms - on, 30ms - off)

Voltage: 24, 115, 230 VAC or 24 VDC
(+/- 10%, but not to exceed 10 volts)

Power: 7.8 watts (nominal)

Mounting: Base, panel, or behind the panel

Terminations: (2)#22 AWG 105°C wire leads, 8" [203mm] long

Operating Life: Beyond 50 million counts

Temp. Range: -15°F to +140°F [-26°C to +60°C]

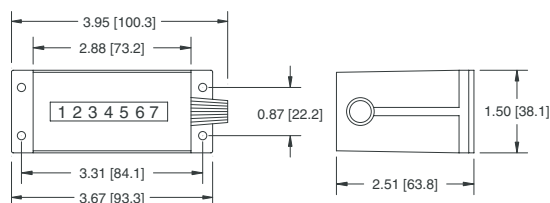
Approvals: UL Recognized, CSA Certified, CE Compliant

Weight: 14 to 18 oz. [397 to 510g]

Models	Description	Models	Description
1-1007	230VAC, base mount, knob reset	P2-1007	115VAC, panel mount, knob reset
2-1007	115VAC, base mount, knob reset	P2-1027	115VAC, panel mount, lock and key reset
3-1007	24VAC, base mount, knob reset	P8-1027	24VDC, panel mount, lock and key reset
8-1007	24VDC, base mount, knob reset		
2-1017	115VAC, base mount, non-reset	R2-1007	115VAC, behind the panel, knob reset
		R2-1017	115VAC, behind the panel, non-reset

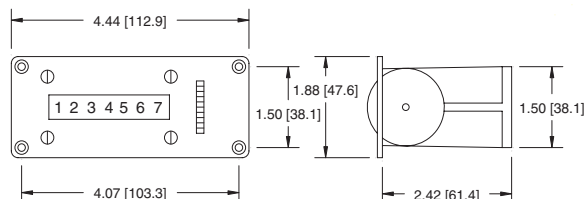
Dimensions

Base Mount



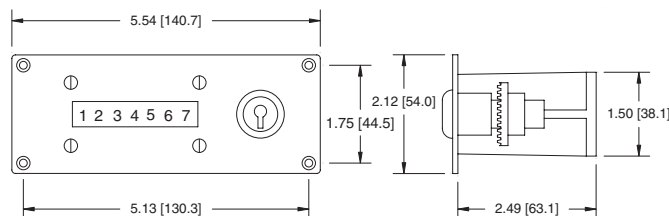
Mounting holes: 0.15" [3.8mm] Dia.

Panel Mount



Screws provided: 6-32 x 0.6 [15.2mm]
Panel cutout: 3.85" x 1.75" [97.8 x 44.5mm]

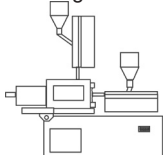
Lock and Key Reset



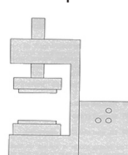
Screws provided: 6-32 x 0.6 [15.2mm]
Panel cutout: 4.88" x 1.75" [124.0 x 44.5mm]

Applications

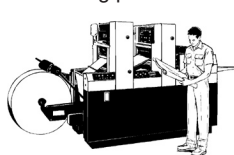
Molding machines



Punch press



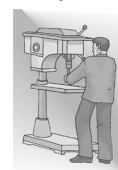
Printing presses

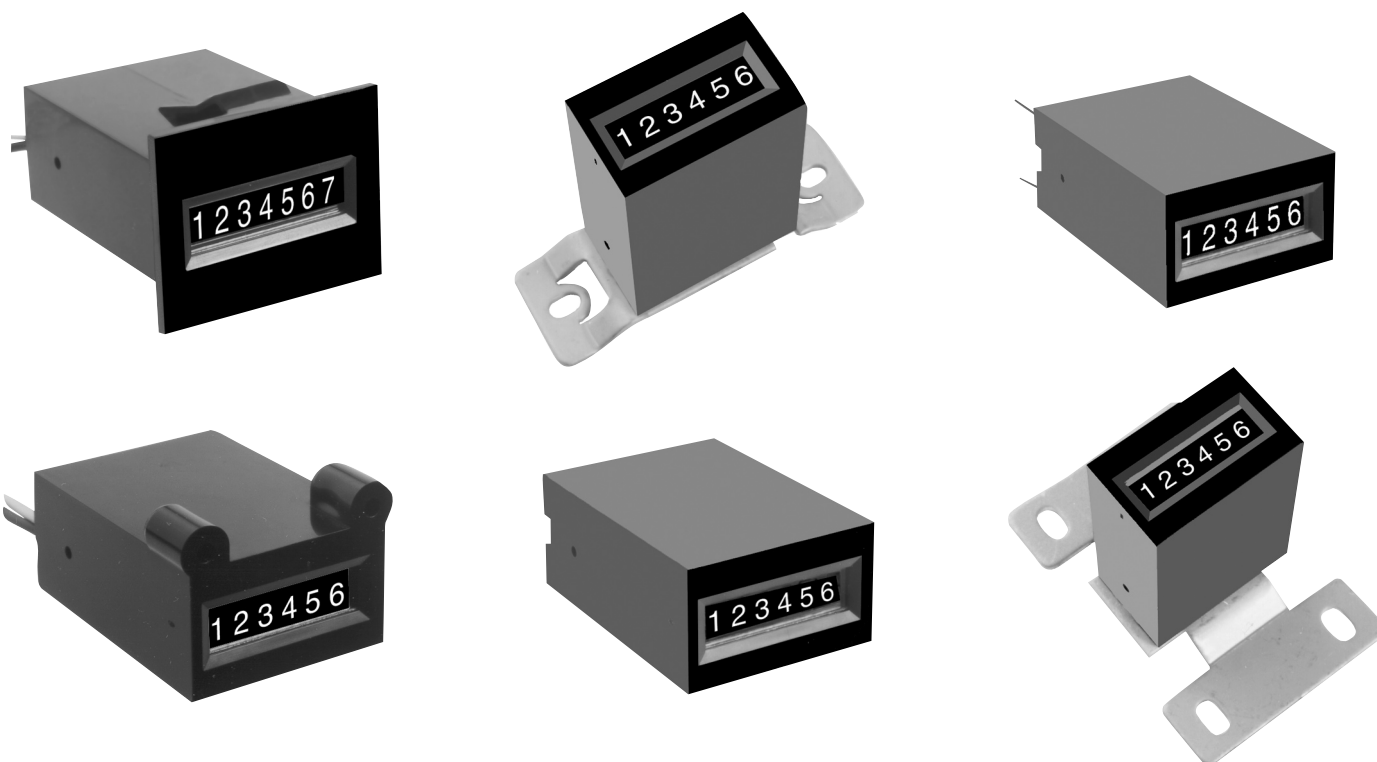


Test labs



Secondary Machines





Description

The Model 40 is a low cost, non-reset totalizer, available with 6-7 figures (white on black background). A wide choice of operating voltages and mountings make this product adaptable for most applications. The Model 40 is an ideal solution for applications that require low cost and product reliability.

Features

- Low cost
- Small size
- DC and AC

Options

- 6 or 7 figure
- Multiple mounting choices
- Voltages

Specifications

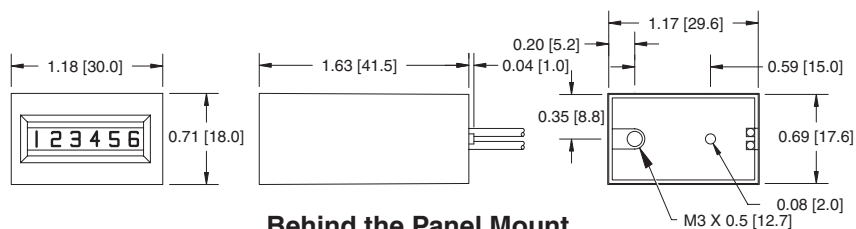
Figures: 6 or 7 figures, white on black, 0.12" (3 mm) high
Reset: Non-reset
Speed: 600 counts/minute (min. 50ms - on, 50ms - off)
Voltage: 115 VAC, 5, 12 or 24 VDC (+ 10/-15% tolerance)
Power: 1.4 watts AC, 1.0 watts DC (nominal)
Mounting: Rear, behind the panel, snap-in, base or PCB mount

Terminations: (2)#22 AWG 221°F [105°C] wire leads, 10.5" [266.7mm] long or (2) 0.03" [0.8mm] Dia. pins for PCB mounting
Operating Life: Beyond 3 million counts
Temp. Range: +23°F to +104°F [-5°C to +40°C]
Weight: Less than 1 oz. [28g]

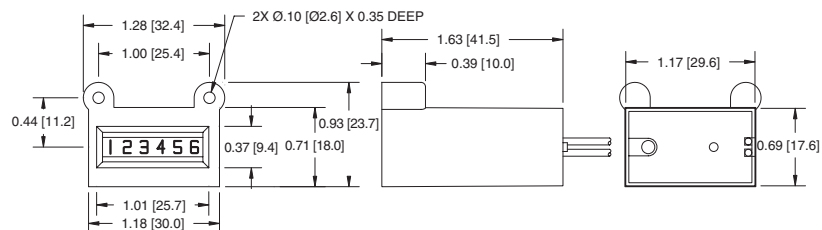
Models	Description	Models	Description
2-4016	115VAC, 6 figure, rear mount, wire leads	2-4017	115VAC, 7 figure, rear mount, wire leads
R2-4016	115VAC, 6 figure, behind the panel mount, wire leads	R2-4017	115VAC, 7 figure, behind the panel mount, wire leads
R9-4016	12VDC, 6 figure, behind the panel mount, wire leads	R9-4017	12VDC, 7 figure, behind the panel mount, wire leads
SR2-4016	115VAC, 6 figure, snap-in panel mount, wire leads	SR2-4017	115VAC, 7 figure, snap-in panel mount, wire leads
T2-4016	115VAC, 6 figure, PCB mount, pins	T2-4017	115VAC, 7 figure, PCB mount, pins
V8-4016	24VDC, 6 figure, V-base mount, wire leads	V8-4017	24VDC, 7 figure, V-base mount, wire leads

Dimensions

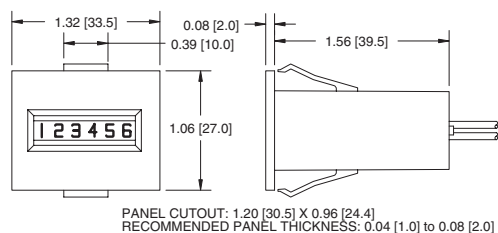
Rear Mount



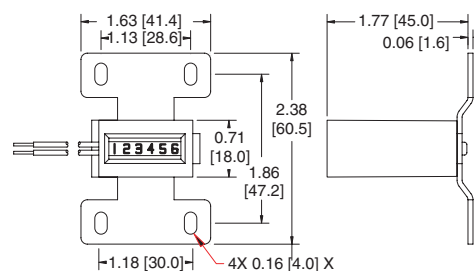
Behind the Panel Mount



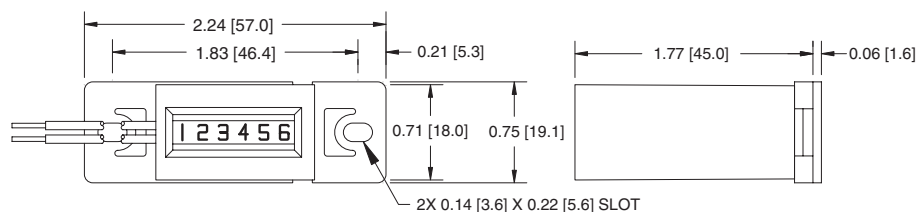
Snap-In Panel Mount



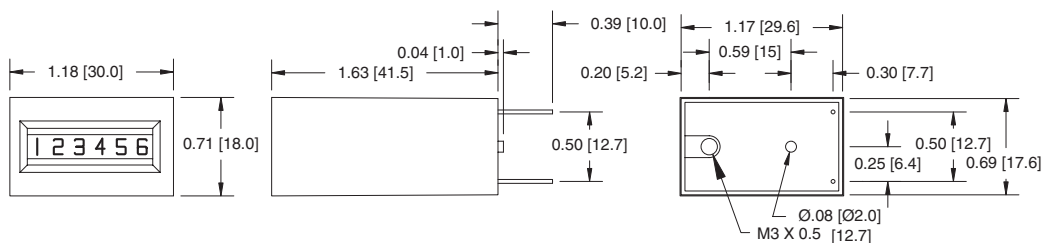
V-Base Mount



D-Base Mount

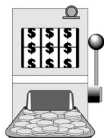


PCB Mount



Applications

Vending/Gaming machines



Photocopiers



Items dispensed



Office equipment





Description

The Redington Model 40 LCD counter provides a large 7-digit display, 0.18" [4.5mm] in a PCB housing. The LCD counter is 100% interchangeable with the existing IGT electromechanical counter. The counter operates on 24VDC, the same input voltage as the existing IGT counter. The counter is tamperproof and provides the user with a long life high speed counter, up to 130 counts per second (CPS). The existing electromechanical counter is rated at 20 CPS.

Features

- Interchangeable with existing electromechanical counter
- Internal lithium battery (7+ year life)
- Always on display
- 24VDC count input
- PCB mount
- Long life - no mechanical parts to wear out

Specifications

Display: Large 7-digit, 0.18" [4.5mm], LCD, black on light background (9999999 Counter)
Inputs: 24 VDC
Battery Life: 7+ years (internal lithium battery)
Reset: Non-reset

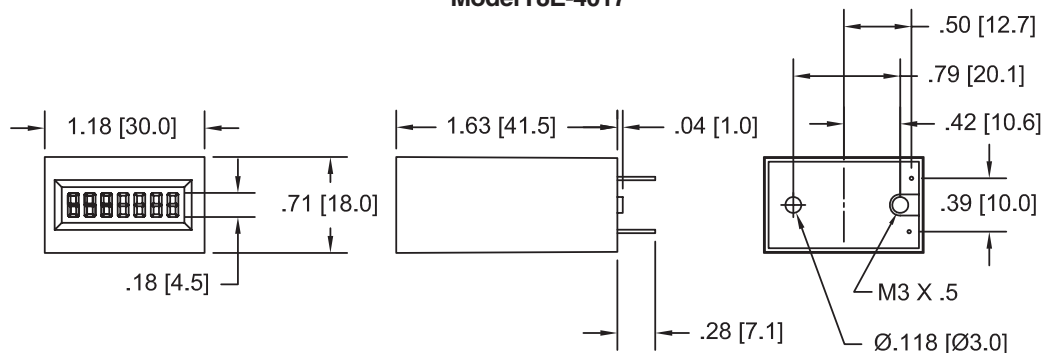
Case: Tamperproof, polymer material
Operating Temp: -4°F to 140°F [-20°C to 60°C]
Terminations: PCB 2-pins
Weight: 1oz [28g]

Models Description

T8E-4017 24VDC, 7 digits, PCB mount, 130 CPS

Dimensions

Model T8E-4017



Applications

Vending/Gaming machines



Photocopiers



Items dispensed



Office equipment





Description

The Model 40 is a low cost, non-reset totalizer, available with 6-7 figures (white on black background). A wide choice of operating voltages and mountings make this product adaptable for most applications. The Model 40 is an ideal solution for applications that require low cost and product reliability.

Features

- Low cost
- Small size
- DC and AC

Options

- 6 or 7 figure
- Multiple mounting choices
- Voltages

Specifications

Figures: 6 or 7 figures, white on black, 0.12" (3 mm) high
Reset: Non-reset
Speed: 600 counts/minute (min. 50ms - on, 50ms - off)
Voltage: 12 or 24 VDC (+ 10/-15% tolerance)
Power: 1.0 watts DC (nominal)
Mounting: PCB mount

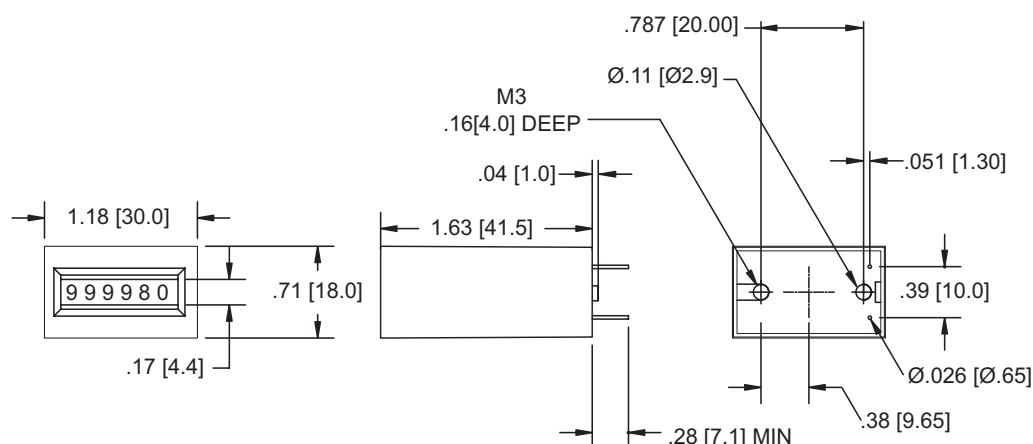
Terminations: [266.7mm] long or (2) 0.03" [0.8mm] Dia. pins for PCB mounting
Operating Life: Beyond 10 million counts
Temp. Range: +23°F to +104°F [-5°C to +40°C]
Weight: Less than 1 oz. [28g]

Models	Description
P8-4016	24VDC, 6 figure, PBC mount, pins
P8-4017	24VDC, 7 figure, PBC mount, pins

Models	Description
P9-4016	12VDC, 6 figure, PBC mount, pins
P9-4017	12VDC, 7 figure, PBC mount, pins

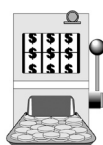
Dimensions

PCB Mount



Applications

Vending/Gaming machines



Photocopiers



Items dispensed



Office equipment





Description

A 6 figure, non-reset counter. Metal/plastic frame assembly assures ruggedness while one piece cover discourages tampering. Precision molded internal gearing requires no lubrication for long, accurate count life. Applications include warranty verification, electronic game counting, coin box tallies, or wherever small size, highly visible numerals, and solid construction are critical.

Features

- Small size
- Highly visible numerals
- Solid construction

Options

- Voltages
- 7 figure
- Lead length
- Special connectors
- Extended temperature range
- Count x 2

Specifications

Figures: 6 figures, white on black, 0.18" [4.6mm] high
Reset: None
Speed: 600 counts/minute
(min. 50ms - on, 50ms - off)
Voltages: 115VAC, 24VDC
(+/- 10%, but not to exceed 10 volts)
Power: 1.5 watts (nominal)

Mounting: Rear, behind the panel, base, or combination
Terminations: (2) #22 AWG 221°F [105°C] wire leads, 10" [254mm] long
Operating Life: Beyond 3 million counts
Temp. Range: +23°F to +104°F [-5°C to +40°C]
Approvals: UL Recognized, CE Compliant
Weight: 2.5 oz. [71g]

Models

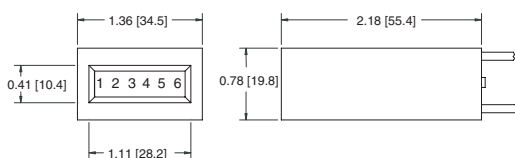
Models	Description
2-4416	115VAC, 6 figure, rear mount
8-4416	24VDC, 6 figure, rear mount
R2-4416	115VAC, 6 figure, behind the panel mount
R8-4416	24VDC, 6 figure, behind the panel mount

Models

Models	Description
V2-4416	115VAC, 6 figure, base mount
V8-4416	24VDC, 6 figure, base mount
RV2-4416	115VAC, 6 figure, combination mount
RV8-4416	24VDC, 6 figure, combination mount

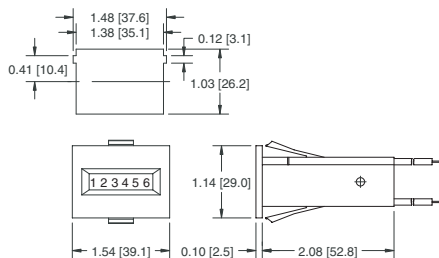
Dimensions

Rear Mount

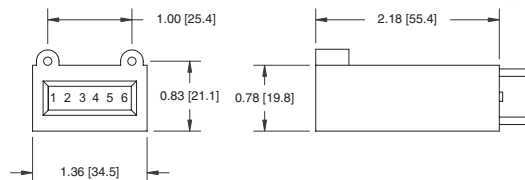


Mounting hole: For M3 screw

Snap-In Panel Mount

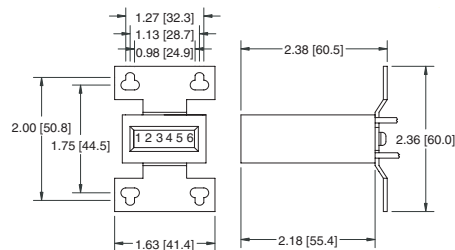


Behind the Panel Mount



Mounting holes: For M3 self tapping screw

Base Mount



Mounting holes: 0.14" [3.6mm] Dia.

Applications

Warranty verification



Coin box tallies



Electronic game counting





Description

A compact, economical, 6 or 7 figure, non-reset, electromechanical counter designed for general purpose industrial and commercial counting applications. It is designed for a variety of mounting methods as required by the application. Commonly used for coin-operating equipment, photocopiers and vending machines.

Features

- 6 or 7 figure
- Compact
- Non-reset
- Variety of mounting options

Options

- Voltages
- Lead lengths
- 5 figure

Specifications

Figures: 6 or 7 figures, white on black, 0.17" [4.3mm] high
Reset: None
Speed: 1,000 counts/minute AC, (min. 30ms - on, 30ms - off)
 1,200 counts/minute DC, (min. 25ms - on, 25ms - off)
Power: AC: 24VAC ~ 4 watts
 115VAC ~ 3.5 watts
 230VAC ~ 5 watts
 DC: 12/24VDC ~ 2 watts

Mounting: Panel or base
Terminations: (2) #22 AWG 105°C wire leads, 12" [305mm] long
Operating Life: Beyond 10 million counts
Temp. Range: -15°F to +140°F [-26°C to +60°C]
Approvals: UL Recognized, CSA Certified, CE Compliant
Weight: 3.5 oz. [99g]

Models

P2-4816 115VAC, 6 figures, P panel mount
P8-4816 24VDC, 6 figures, P panel mount
R2-4816 115VAC, 6 figures, R panel mount
SR2-4816 115VAC, 6 figures, SR panel mount
SR8-4816 24VDC, 6 figures, SR panel mount
V1-4816 230VAC, 6 figures, V base mount
V2-4816 115VAC, 6 figures, V base mount
V3-4816 24VAC, 6 figures, V base mount
V8-4816 24VDC, 6 figures, V base mount
V9-4816 12VDC, 6 figures, V base mount

Models

D8-4817 24VDC, 7 figures, D base mount
P2-4817 115VAC, 7 figures, P panel mount
P8-4817 24VDC, 7 figures, P panel mount
R8-4817 24VDC, 7 figures, R panel mount
SR8-4817 24VDC, 7 figures, SR panel mount
V2-4817 115VAC, 7 figures, V base mount
V8-4817 24VDC, 7 figures, V base mount

* Items in bold are normally in factory stock.

Applications

Control panels



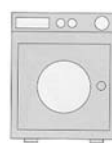
Gaming machines



Vending machines



Coin-operated equipment



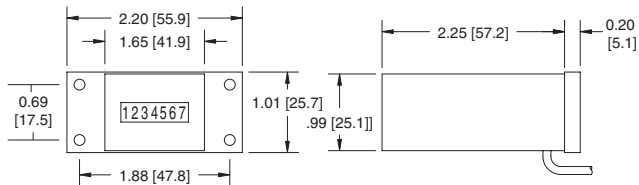
Photocopiers





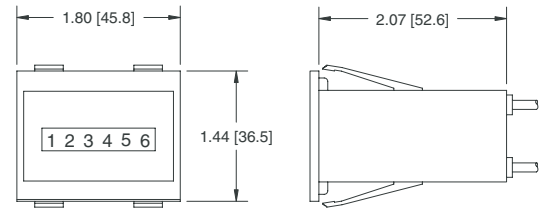
Dimensions

D - Mount

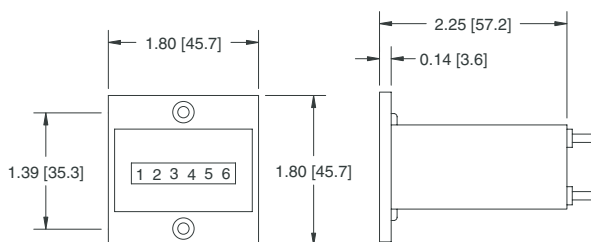


Mounting holes: 0.15" [3.8] Dia.

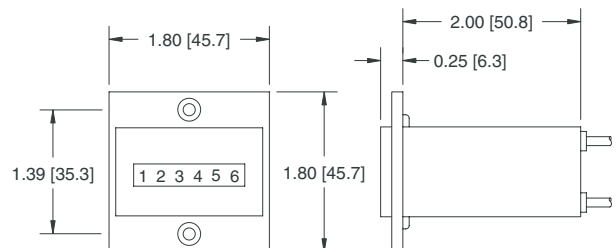
SR - Mount

Panel cutout: 1.67" x 1.29" [42.4 x 32.8mm]
Recommended panel thickness: 0.04" to 0.08" [1.0 to 2.0mm]

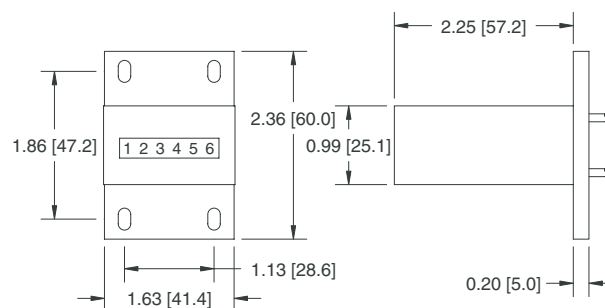
P - Mount

Mounting holes: For #5 flat head screw
Panel cutout: 1.72" x 1.05" [43.7 x 26.7mm]

R - Mount

Mounting holes: For #5 flat head screw
Panel cutout: 1.72" x 1.05" [43.7 x 26.7mm]

V - Mount



Mounting holes: 0.16" x 0.28" [4.1 x 7.1mm] slots



Description

Economically priced 4 and 6 figure push-button reset, electromechanical counter designed for use where limited space is a factor and when reliability is critical. Rugged operating mechanisms require no lubrication or maintenance. Compact size and minimum space requirements make the Model 49 ideally suited for use in control panels, business machines, and test equipment.

Features

- Compact
- No maintenance
- Quick reset

Options

- Voltages
- Extended temperatures
- 4 or 6 figure

Specifications

Figures: 4 or 6 figures, white on black, 0.16" [4mm] high
Reset: Push-button
Speed: 600 counts/minute
(min. 50ms - on, 50ms - off)
Voltages: 115VAC, 24VDC
(+10% to - 15%)
Power: AC: 115VAC ~ 3 watts
DC: 24VDC ~ 2 watts

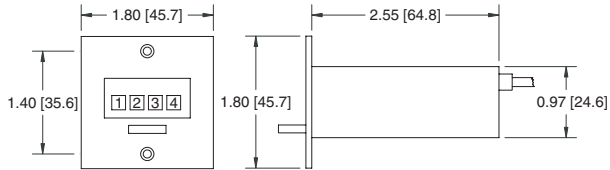
Mounting: Panel, base, or bail
Termination: (2) #22 AWG 105°C wire leads, 10" [254mm] long
Operating Life: Beyond 100 million counts
Temp. Range: -15°F to +140°F [-26°C to +60°C]
Approvals: UL Recognized, CE Compliant
Weight: 4 oz. [113g] (4 fig.), 5 oz. [142g] (6 fig.)

Models	Description	Models	Description
B2-4904	115VAC, 4 figure, bail mount	B2-4906	115VAC, 6 figure, bail mount
B8-4904	24VDC, 4 figure, bail mount	B8-4906	24VDC, 6 figure, bail mount
D2-4904	115VAC, 4 figure, base mount	D2-4906	115VAC, 6 figure, base mount
P2-4904	115VAC, 4 figure, panel mount	P2-4906	115VAC, 6 figure, panel mount
P8-4904	24VDC, 4 figure, panel mount	P8-4906	24VDC, 6 figure, panel mount
P9-4904	12VDC, 4 figure, panel mount	P9-4906	12VDC, 6 figure, panel mount

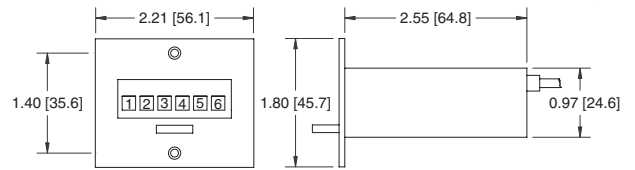
* Items in bold are normally in factory stock.



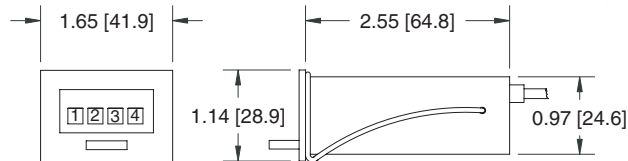
Dimensions

Panel Mount - 4 Figure

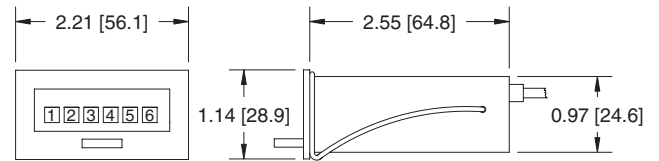
Panel cutout: 1.46" x 1.01" [37.1 x 25.7mm]
Mounting holes: For #4 flat head screw

Panel Mount - 6 Figure

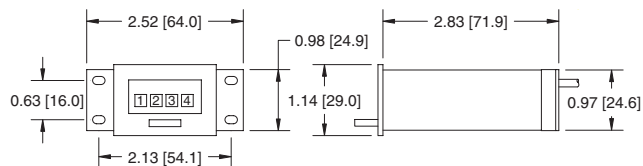
Panel cutout: 2.00" x 1.01" [50.8 x 25.7mm]
Mounting holes: For #4 flat head screw

Bail Mount - 4 Figure

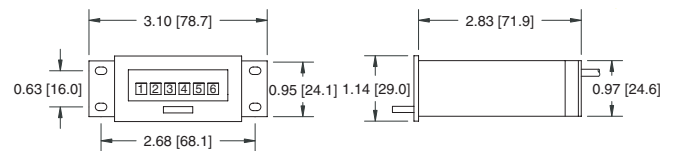
Panel cutout: 1.46" x 1.01" [37.1 x 25.7mm]

Bail Mount - 6 Figure

Panel cutout: 2.00" x 1.01" [50.8 x 25.7mm]

Base Mount - 4 Figure

Mounting holes: 0.12" x 0.20" [3.1 x 5.1mm] slots

Base Mount - 6 Figure

Mounting holes: 0.12" x 0.20" [3.1 x 5.1mm] slots

Applications

Test Equipment



Control Panels



Business Machines



Medical devices





Description

The model 710 AC hour meters and minute meters are widely used in panel applications where number size and visibility are critical. Its tough, Lexan bezel and distinctive styling enhance appearance and durability. Available in 5 figure reset or 6 figure non-reset versions.

Features

- Large figures
- Tough, Lexan case
- Reset or non-reset

Options

- Private label faceplates
- Bracket mount
- Mounting bracket (721-0003)
- Splash proof kit (721-0017)
- Heavy duty splash proof kit (721-0018)
- Gasket (17210-004s)

Specifications

Figures: 5 figures, 9999.9 (reset) or 6 figure, 99999.9 (non-reset), 0.19" [5mm] high
Reset: Reset (on front or side) or non-reset
Voltages: 24, 115 or 230VAC, (+/-10%), 50 or 60 Hz.
Power: 3 watts (nominal)
Mounting: Panel (3-hole)

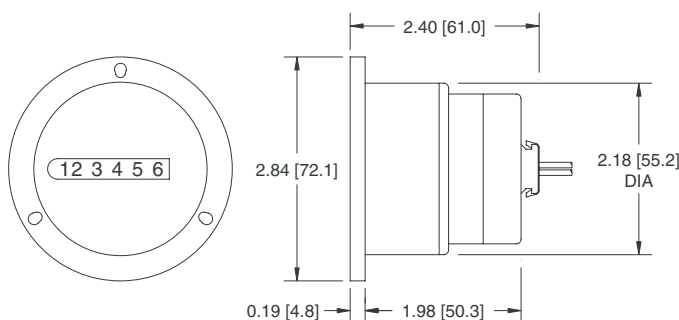
Terminations: 8" [203.2mm] wire leads or terminal block
Temp. Range: -20°F to +160°F [-29°C to +71°C]
Approvals: UL Recognized, CSA Certified, CE Compliant
Weight: 6 oz. [170g]

Models	Description	Models	Description
710-0001	115VAC/60Hz, non-reset, 99,999.9 hrs, 8" [203mm] wire leads	710-0014	230VAC/60Hz, non-reset, 99,999.9 hrs, terminal block
710-0002	115VAC/60Hz, non-reset, 99,999.9 hrs, terminal block	710-0018	115VAC/60Hz, non-reset, 99,999.9 min, 8" [203mm] wire leads
710-0003	230VAC/60Hz, non-reset, 99,999.9 hrs, 8" [203mm] wire leads	710-0024	24VAC/60Hz, non-reset, 99,999.9 hrs, terminal block
710-0006	24VAC/60Hz, non-reset, 99,999.9 hrs, 8" [203mm] wire leads	710-0026	115VAC/50Hz, non-reset, 99,999.9 hrs, terminal block
710-0008	115VAC/60Hz, non-reset, 99,999 hrs, 8" [203mm] wire leads	710-0032	115VAC/60Hz, front reset, 9,999.9 hrs, terminal block
710-0009	115VAC/50Hz, non-reset, 99,999.9 hrs, 8" [203mm] wire leads	710-0051	115VAC/60Hz, non-reset, 99,999 hrs, terminal block
710-0013	115VAC/60Hz, front reset, 9,999.9 hrs, 8" [203mm] wire leads		

* Items in bold are normally in factory stock.

Dimensions

8" [203mm] Wire Leads



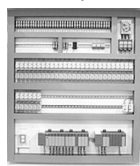
Mounting holes: For #4 screws on 2.44" [62.0] B.C.
 and #6 screws on 2.53" [64.3] B.C.
 Panel cutout: 2.21" [56.1] Dia.

Applications

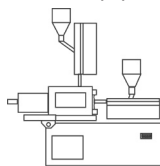
Office equipment



Control panels



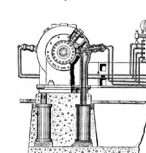
Industrial equipment



Test equipment



Compressors





Description

The Redington Model 711/731 provides a family of compact 7 figure, AC or DC Hour Meters. Models are available in the standard industry housings, 2-Hole rectangular, flush-round and flush-rectangular. DC Models are quartz controlled for high reliability and accuracy. A choice of two rectangular panel cutouts are offered 1.45" X 0.95" [36.8mm X 24.1mm] or 1.45" X 0.87" [36.8mm X 2.1mm]. The Round meter has a panel cutout of 1.99" [50.5mm].

Features

- 7 figure, 99999.99
- Various voltage inputs
- Quartz accuracy (DC)
- Large figures, 0.14" [3.6mm]
- CE Compliant
- UL Recognized/CSA Certified for AC
- UL/cUL Recognized for DC

Options

- Special voltages
- Terminations
- Panel cutout

Specifications

Figures: 7 figures, 0.14" [3.6mm] 99999.99
Reset: Non-reset
Voltages: 24, 115 or 230VAC ($\pm 10\%$), 50 or 60 Hz 10-28VDC
Power: 2 watts AC, 0.4 watts DC
Mounting: Clip or mounting holes
Termination: 1/4" [6.3mm] spade terminals with screws (AC)
 1/4" [6.3mm] spade terminals (DC)
Accuracy: 0.01% (DC) quartz
Case Material: Black polymer
Weight: 1.2oz. [35g]

Environmental:
Front Panel: IP65
Operating Temperature: -22°F to +180°F [-30°C to +82°C]
Storage Temperature: -40°F to +185°F [-40°C to +85°C]
Vibration: 1g [10/500Hz] IEC 68-T2-34
 30g [18ms] IEC 68-T2-27
 25g [16ms] IEC 68-T2-19
Shock: CE Compliant
Agency Approvals: UL Recognized/CSA Certified for AC
 UL/cUL Recognized for DC

Models

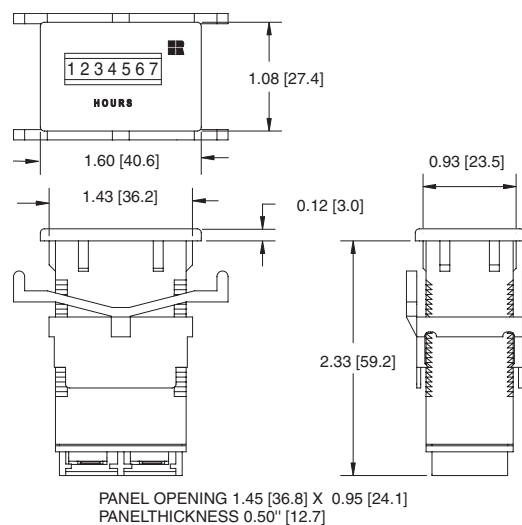
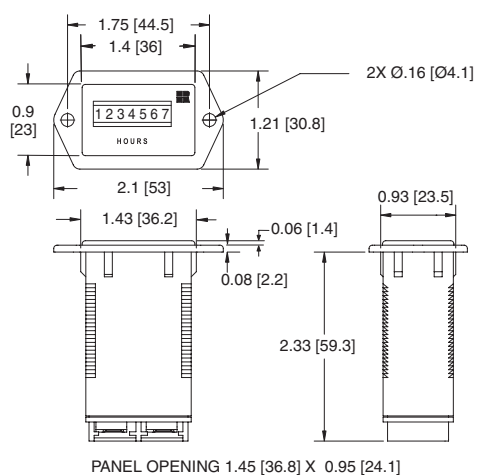
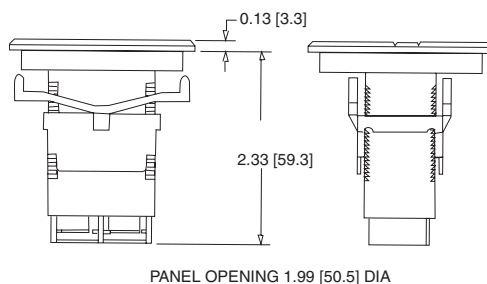
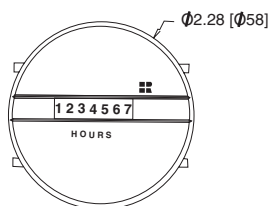
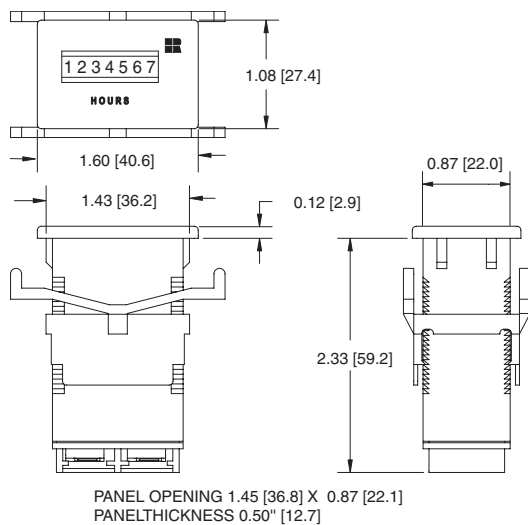
Models	Voltage AC	Mount	Panel Cut-out		
			1.45 X .87	1.45 X .95	1.99
711-0013	115VAC/60Hz	Round			X
711-0014	230VAC/60Hz	Round			X
711-0113	115VAC/60Hz	Flush Rect	X		
711-0114	24VAC/60Hz	Flush Rect.	X		
711-0120	115VAC/60Hz	Flush Rect		X	
711-0123	230VAC/60Hz	Flush Rect.		X	
711-0130	115VAC/60Hz	2-Hole	X		
711-0131	230VAC/60Hz	2-Hole	X		
711-0132	24VAC/60Hz	2-Hole	X		
711-0133	115VAC/50Hz	2-Hole	X		
711-0138	230VAC/60Hz	Flush Rect.	X		

Models	Voltage DC	Mount	Panel Cut-out		
			1.45 X .87	1.45 X .95	1.99
731-0006	10-28VDC	Round			X
731-0040	10-28VDC	2-Hole			
731-0041	10-28VDC	Flush Rect	X		
731-0042	10-28VDC	Flush Rect		X	
731-0051	10-28VDC	2-Hole		X	

* Items in bold are normally in factory stock.



Dimensions



Applications

Medical equipment



Test equipment



Office equipment





Description

These 7 figure, AC or DC hour meters with running indicators, offer crisp, distinctive styling for many panel applications. Available in square and round bezel, flush mount, or three-hole round panel mount. Each is light-weight, low power, and carry UL, CSA and CE approvals.

Features

- 7 figure, 99999.99
- Various voltage inputs
- Distinctive styling

Options

- Terminations
- Din rail
- Voltages

Specifications

Figures: 7 figures, 0.14" high [3.6mm], 99,999.99 hours
Reset: Non-reset
Voltages: 24, 115, or 230VAC (+/-10%), 50 or 60Hz., 10-80 VDC
Power: 3 watts (AC), 1.2 watt maximum (DC)
Terminations: 1/4" [6.3mm] spade terminals, with removable

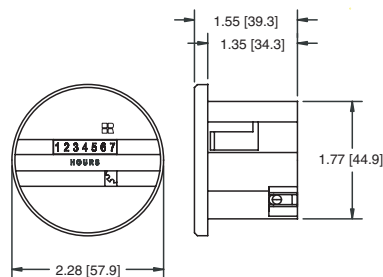
screws, or 8" [203mm] wire leads
Mounting: Panel (mounting hardware included)
Front Panel: IP65
Temp. Range: -22°F to +158°F [-30°C to +70°C]
Approvals: UL Recognized and CSA Certified (AC only), CE Compliant
Weight: 1.6 oz. [46g]

Models	Description	Models	Description
711-0150	115VAC/60Hz, 2.28" Dia., Flush mount, screw termination	711-0182	24VAC/60Hz, 1.89" Sq., Flush mount, screw termination
711-0152	230VAC/60Hz, 2.28" Dia., Flush mount, screw termination	711-0190	115VAC/60Hz, 2.05" Sq., Flush mount, screw termination
711-0160	115VAC/60Hz, 2.93" Dia., 3-hole round, screw termination	711-0192	24VAC/60Hz, 2.05" Sq., Flush mount, screw termination
711-0162	230VAC/60Hz, 2.93" Dia., 3-hole round, screw termination	711-0193	115VAC/50Hz, 2.05" Sq., Flush mount, screw termination
711-0163	230VAC/50Hz, 2.93" Dia., 3-hole round, screw termination	711-0195	24VAC/50Hz, 2.05" Sq., Flush mount, screw termination
711-0164	24VAC/60Hz, 2.93" Dia., 3-hole round, screw termination		
711-0171	115VAC/60Hz, 2.93" Dia., 3-hole round, 8" wire leads	731-0046	10-80VDC, 2.93" Dia., 3-hole round, screw termination
711-0180	115VAC/60Hz, 1.89" Sq., Flush mount, screw termination		

* Items in bold are normally in factory stock.

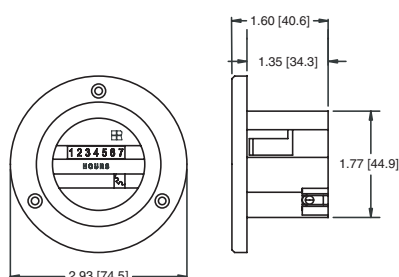
Dimensions

2.28" Dia. Flush



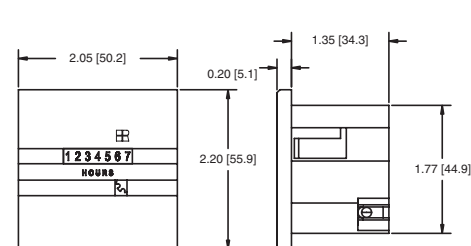
Panel cutout: 1.99" [50] Dia. or 1.81" [46] Sq.

3 - Hole Round



Panel cutout: 1.99" [50] Dia. or 1.81" [46] Sq.
 Screws provided: 4-40 x 5/8" [16]
 Bolt hole circle: 2.44" [62]

1.89" or 2.05" Square



Panel cutout: 1.99" [50] Dia. or 1.81" [46] Sq.
 (for 1.89" Sq. use 1.81" [46] Sq. cutout only)

Applications

Medical equipment



Test equipment



Office equipment





Description

A rectangular style AC hour meter designed to complement existing meters in control panels. Available in 6 figure reset or 7 figure non-reset. The non-reset model incorporates a retaining clip to lock into panel, while the reset version has a metal bracket and screw.

Features

- Large figures
- 6 or 7 digits
- UL Recognized, CSA Certified, CE Compliant

Options

- Reset or non-reset

Specifications

Figures: 6 figure (reset) or 7 figure (non-reset), 0.19" [5mm] high
9,999.99 hours. (reset version)
99,999.99 hours. (non-reset models)

Reset: Push-button, or non-reset

Voltages: 115VAC (+/- 10%), 50 or 60 Hz.

Power: 2 watts (nominal)

Mounting: Panel (mounting hardware included)

Termination: 19" [483mm] wire leads

Temp. Range: -4°F to +158°F [-20°C to +70°C]

Approvals: UL Recognized, CSA Certified, CE Compliant

Weight: 2 oz. [57g]

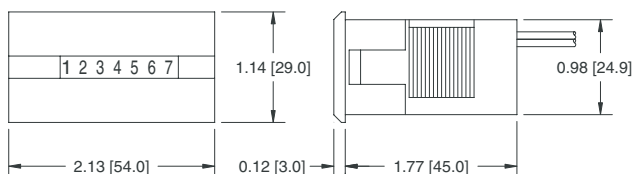
Options: Voltages

Models

Models	Description
711-0019	115VAC/60Hz, reset, 6 figure, 9,999.99 hrs., 19" [483mm] wire leads
711-0020	115VAC/60Hz, non-reset, 7 figure, 99,999.99 hrs., 19" [483mm] wire leads
711-0041	115VAC/50Hz, non-reset, 7 figure, 99,999.99 hrs., 19" [483mm] wire leads

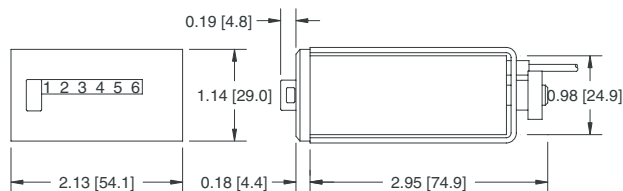
Dimensions

Non-Reset



Panel cutout: 1.98" x 0.99" [50.3 x 25.1]

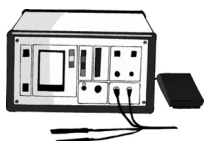
Reset



Panel cutout: 1.98" x 0.99" [50.3 x 25.1]

Applications

Medical equipment



Test equipment



Office equipment





Description

A 5 figure (reset) or 6 figure (non-reset), AC hour meter encased in a rugged steel housing. The non-reset models are completely sealed. Reset models are available, as are both wire lead and terminal block versions.

Features

- Rugged steel housing

Options

- Chrome bezel
- Readouts to 9999.99 hrs.
- Voltages
- Gasket (721-0004)

Specifications

Figures: 5 figure (reset) or 6 figure (non-reset), 0.19" [5mm] high, 9,999.9 (reset) or 99,999.9 (non-reset)
Reset: Reset or non-reset
Voltages: 24, 115, and 230VAC (+/- 10%), 50 or 60Hz.
Power: 3 watts max.

Mounting: Panel (3-hole or metal clamp)
Termination: Terminal block or 6" [152mm] wire leads
Temp. Range: -40°F to +160°F [-40°C to +70°C]
Approvals: UL Recognized, CSA Certified, CE Compliant
Weight: 10 oz. [284g]

Models Description

720-0001	24VAC/60Hz,	non-reset,	3-hole round,	6" [152.4mm] wire leads
720-0004	115VAC/60Hz,	non-reset,	3-hole round,	terminal block
720-0007	115VAC/60Hz,	non-reset,	3-hole round,	6" [152.4mm] wire leads
720-0008	115VAC/60Hz,	non-reset,	metal clamp,	terminal block
720-0011	115VAC/60Hz,	non-reset,	metal clamp,	6" [152.4mm] wire leads

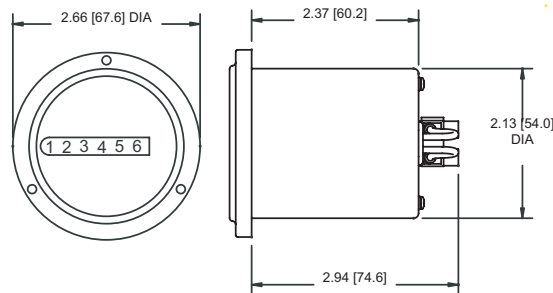
Models Description

720-0012	115VAC/60Hz,	front reset,	3-hole round,	6" [152.4mm] wire leads
720-0030	115VAC/50Hz,	non-reset,	3-hole round,	6" [152.4mm] wire leads
720-0031	230VAC/60Hz,	non-reset,	3-hole round,	terminal block
720-0036	230VAC/60Hz,	non-reset,	3-hole round,	6" [152.4mm] wire leads

* Items in bold are normally in factory stock.

Dimensions

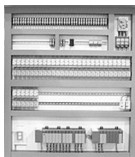
Non-Reset / Terminal Block



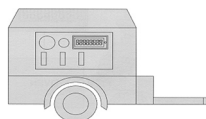
Panel cutout: 2.16" [54.9] Dia.
Mounting holes: 0.125" [3.2] Dia. on 2.44" [62.0] B.C.

Applications

Control panels

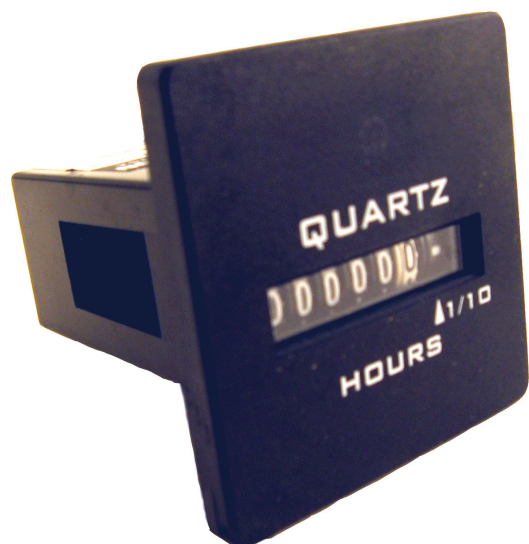


Industrial equipment

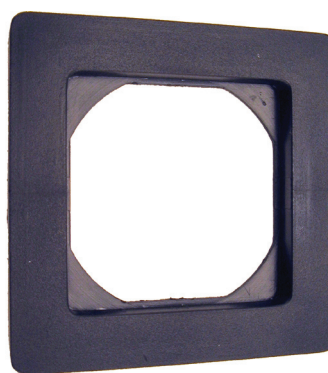


Test equipment

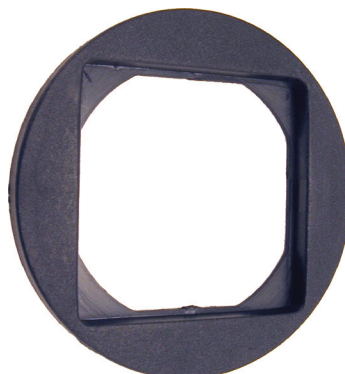




722-0030/732-0030, 1.89" [48mm] Square



Square Panel, 2.84" [72mm]



Round Panel, 2.84" [72mm]



Square Panel, 2.2" [55mm]

Description

The Redington Model 722 provides an AC Hour Meter with an operating range of 90-264VAC 50/60 Hz. You no longer require two separate meters, one for 115VAC and one for 230VAC. The Redington Model 732 provides a DC Hour Meter with an operating range of 10-80VDC. 732 Models are protected for 2x battery voltage and/or reverse polarity. A quartz time base insures accurate long-term time keeping while the sealed case protects against the environment and provides years of reliable service. Models have a square front panel dimension of 1.90" [48mm x 48mm]. Three adapter panels are also available for fitting additional panel dimensions.

Features

- 722 Operating voltage 90-264VAC 50/60Hz
- 732 Operating voltage 10-80VDC
- Totally Sealed
- UL/cUL Recognized, CE & RoHS Compliant
- 6 Figure, 99999.9

Options

- Wire leads
- Terminals up, down, straight
- Available adapter panels

Specifications

Figures:	6 - digits, 0.14" [3.6mm] 99999.9 Hours and indicator - white on black Decimal - black on white
Reset:	Non-reset
722 Voltage:	90-264VAC 50/60Hz
732 Voltage:	10-80VDC 50/60Hz
Power:	1 watt max.
Mounting:	Clip (with optional adapter panels)
Termination:	¼" [6.3mm] spade terminals
Weight:	~2 oz [57 g]
Accuracy:	± 0.02% over entire range

Case Material:	Black polymer
Lens Material:	Polymer
Agency Approvals:	UL/cUL Recognized, CE, RoHS, SAE J1378
732 Overvoltage & Reverse Polarity:	Protected for 2x battery voltage/reverse polarity
Environmental:	Totally Sealed
Temperature:	-40°F to +185°F [-40°C to + 85°C]
Humidity:	95% (SAE J1378)
Vibration:	10-80 Hz. 20g max. (SAE J1378)
Shock:	55g @ 9 - 13msec (SAE J1378)

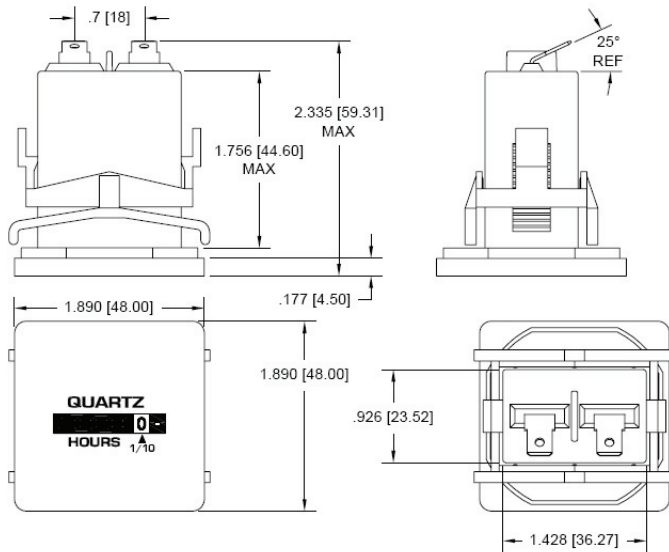
Models Description

722-0030	Square Panel mount with Clip, 90-264VAC 50/60Hz, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0030	Square Panel mount with Clip, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
1662-026	Square Panel, 2.2" [55mm]
1662-024	Square Panel, 2.84" [72mm]
1662-025	Round Panel, 2.84" [72mm]

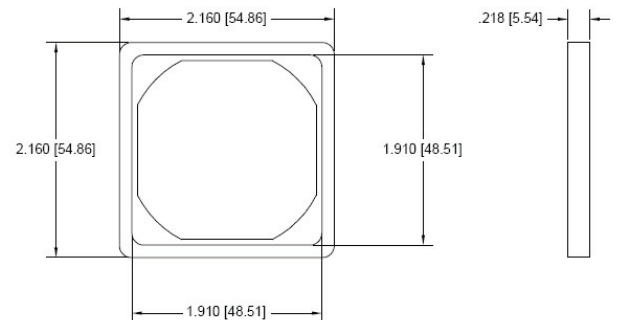
* All items are normally in factory stock



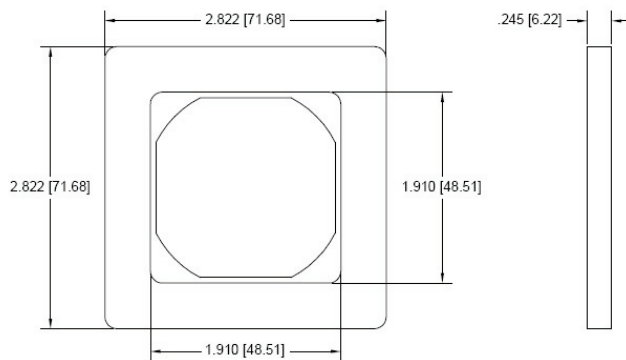
Dimensions



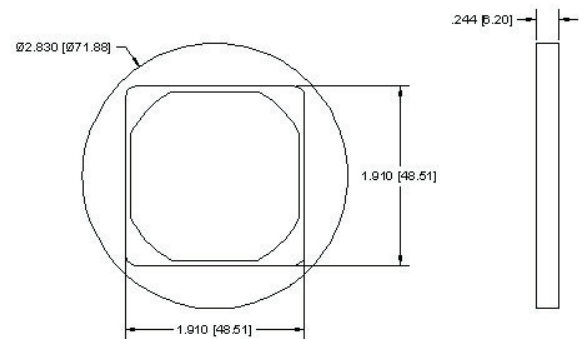
722-0030/732-0030



Square Panel, 2.2" [55mm]



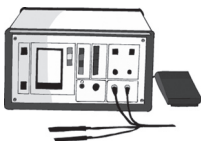
Square Panel, 2.84" [72mm]



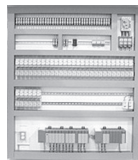
Round Panel, 2.84" [72mm]

Model 722 Applications

Medical Equipment



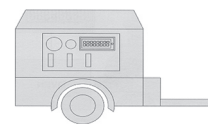
Control Panels



Test Equipment



Generators



Office Equipment



Model 732 Applications

Material Handling



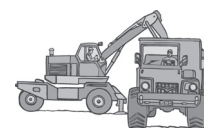
Farm Equipment



Outdoor Power Equipment

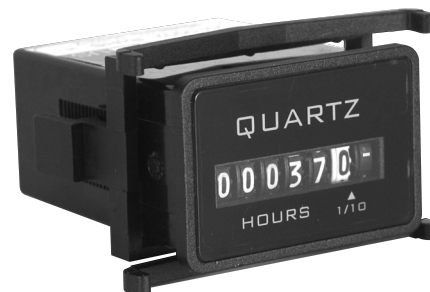


Construction Equipment



Utility Vehicles





Description

The Redington Model 722 provides an AC Hour Meter with an operating range of 90-264VAC 50/60 Hz. You no longer require two separate meters, one for 115VAC and one for 230VAC. Models are available in the standard industry housings, 2-Hole Rectangular, Flush-Rectangular, Flush-Round and 3-Hole Round. Its quartz time base insures accurate long-term time keeping. The Totally Sealed case protects against the environment and provides years of reliable service. All models are NEMA 4X, 12 rated when mounted with optional gasket.

Features

- Operating voltage 90-264VAC 50/60Hz
- Totally Sealed
- UL/cUL Recognized, CE & RoHS Compliant
- 6 Figure, 99999.9
- Quartz accuracy

Options

- Wire leads
- Gasket kit (for NEMA 4X, 12 rating)
- Custom lens
- Terminals up, down, straight

Specifications

Figures:	6 - digits, 0.14" [3.6mm] 99999.9 Hours and indicator - white on black Decimal - black on white
Reset:	Non-reset
Voltage:	90-264VAC
Frequency:	50/60Hz
Power:	1 watt max.
Mounting:	Clip or mounting holes
Termination:	¼" [6.3mm] spade terminals
Weight:	~2 oz [57 g]
Accuracy:	± 0.02% over entire range

Case Material:	Black polymer
Lens Material:	Polymer
Agency Approvals:	UL/cUL Recognized, CE & RoHS Compliant, SAE & NEMA 4X, 12 Compliant
Environmental:	Totally Sealed
Front Panel:	NEMA 4X, 12 rated with optional gasket
Temperature:	-40°F to +185°F [-40°C to + 85°C]
Humidity:	95% (SAE J1378)
Vibration:	10-80 Hz, 20g max. (SAE J1378)
Shock:	55g @ 9 - 13msec (SAE J1378)

Models

Description

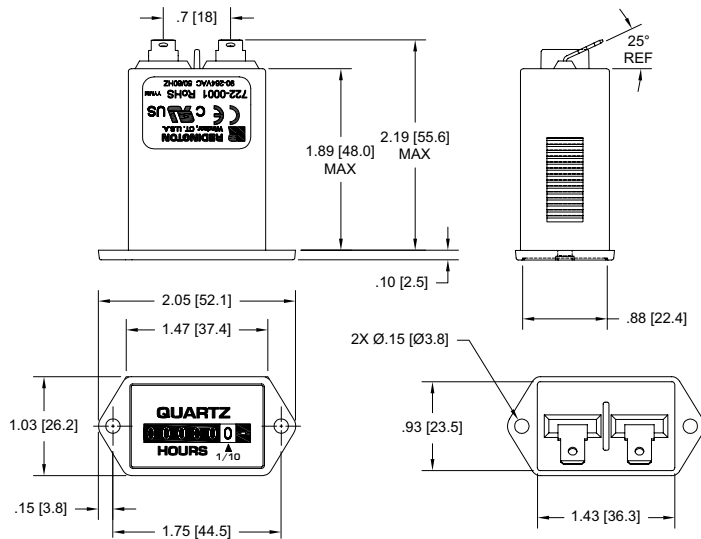
722-0001	2-Hole Rectangular, 90-264VAC 50/60Hz, ¼" [6.3mm] spade terminals, hours & 1/10's
722-0002	Flush-Rectangular, 90-264VAC 50/60Hz, ¼" [6.3mm] spade terminals, hours & 1/10's
722-0003	Flush-Round, 90-264VAC 50/60Hz, ¼" [6.3mm] spade terminals, hours & 1/10's
722-0004	3-Hole Round, 90-264VAC 50/60Hz, ¼" [6.3mm] spade terminals, hours & 1/10's
5003-009	NEMA 4X, 12 Gasket for Model 722-0002
5003-010	NEMA 4X, 12 Gasket for Model 722-0001
5003-011	NEMA 4X, 12 Gasket for Model 722-0004
5003-012	NEMA 4X, 12 Gasket for Model 722-0003

* All items are normally in factory stock



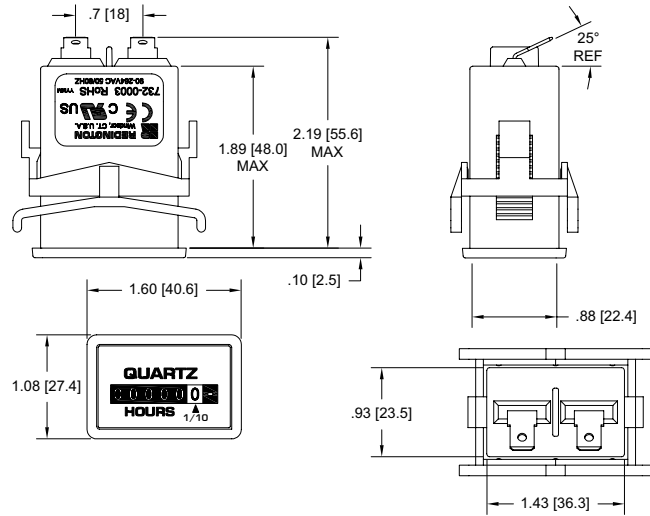
Dimensions

2-Hole

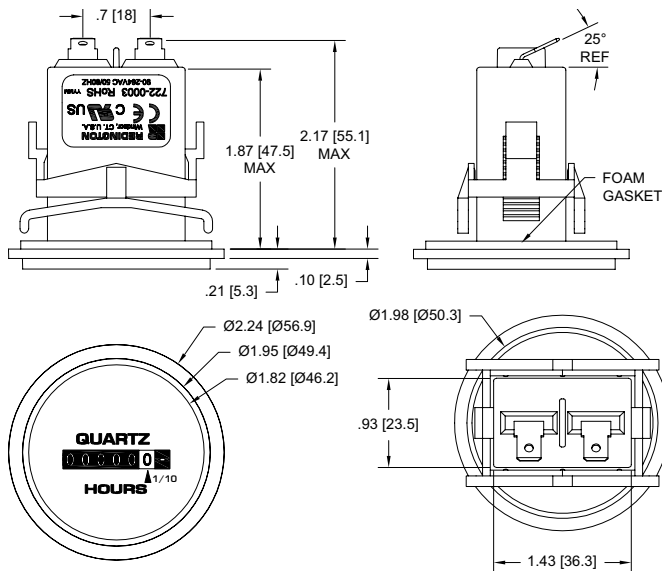


Panel Opening: 1.45" X 0.95" [36.8 X 24.1]

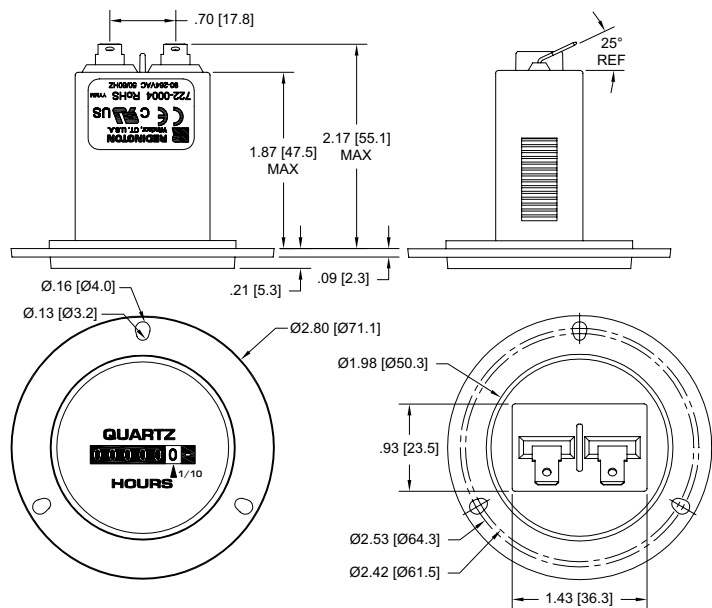
Flush-Rectangular

Panel Opening: 1.45" X 0.95" [36.8 X 24.1]
Panel Thickness: 0.03 to 0.63 [0.76 to 16.00]

Flush-Round

Panel Opening: 2.0" [50.6]
Panel Thickness: 0.40 [10.2] Max.

3-Hole Round



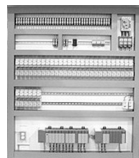
Panel Opening: 2.0" [50.6]

Applications

Medical Equipment



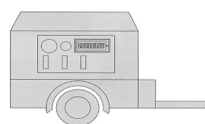
Control Panels



Test Equipment



Generators



Office Equipment





Description

The Redington Model 731 has quartz controlled timing assuring accurate time indication. This Hour Meter features a sealed case, stirrup mounting and a wide operating voltage range. The Hour Meter is protected against short circuit, reverse polarity and has an operation indicator.

Features

- SAE case
- Totally sealed
- Quartz accuracy
- 7 figures, 99999.99
- Operating voltage 10-80VDC
- Stirrup mount

Options

- Vibration dampening ring
- Special voltages; 2-20VDC and 80-220VDC

Specifications

Figures: 7-digits, 0.138" [3.5] 99999.99
Hours-white on black
Decimals-black on white

Operation indication: Yes

Reset: Non-reset

Voltage: 10-80VDC

Mounting: Stirrup

Power: 1.4 to 15mA

Termination: ¼" [6.3mm] quick connect

Weight: 3.5 oz [100g]

Accuracy: ± 0.01 over entire range

Case material: Black polymer

Agency approvals: CE compliant

Environmental: Totally sealed (all models)

Front panel: IP 65 - front

Rear terminals: IP 00 - rear

Temperature: -40°F to +176°F [-40°C to 80°C]

Vibration: +/- 0.5mm amplitude @ 45Hz

Models

Description

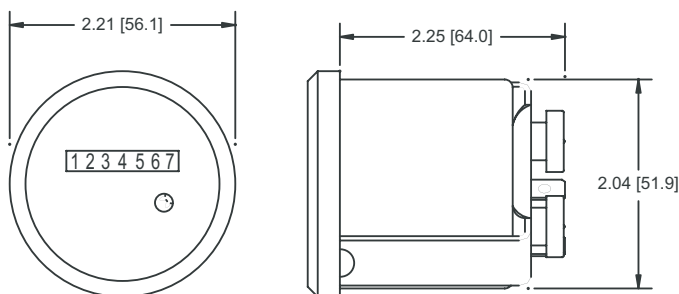
731-0002 Flush Round, 10-80VDC, ¼" [6.3mm] quick connect, 99999.99h, chrome bezel

731-0004 Flush-Round, 10-80VDC, ¼" [6.3mm] quick connect, 99999.99h, black plastic bezel

* All items are normally in factory stock.

Dimensions

Model 731-0002



Applications

Medical Equipment



Outdoor power equipment



Utility Vehicles





Description

The Redington Model 732 provides a DC Hour Meter with an operating range of 10-80VDC. Models are protected for 2 times battery voltage and/or reverse polarity. Models are available in the standard industry housings, 3-Hole Round, Flush-Round, Flush-Rectangular, Flush-Round and 2-Hole Rectangular. A Stirrup and Cup mount are available for applications where high shock and vibration exist. Its quartz time base insures accurate long-term time keeping. The Totally Sealed case protects against the environment and provides years of reliable service. Most models are NEMA 4X, 12 rated when mounted with optional gasket.

Features

- Operating voltage 10-80VDC
- Totally Sealed
- UL/cUL Recognized, CE & RoHS Compliant
- 6 Figure, 99999.9
- Quartz accuracy
- 6 mounting variations

Options

- Wire leads
- Gasket kit (for NEMA 4X, 12 rating)
- Custom Lens
- Terminals up, down, straight



Specifications

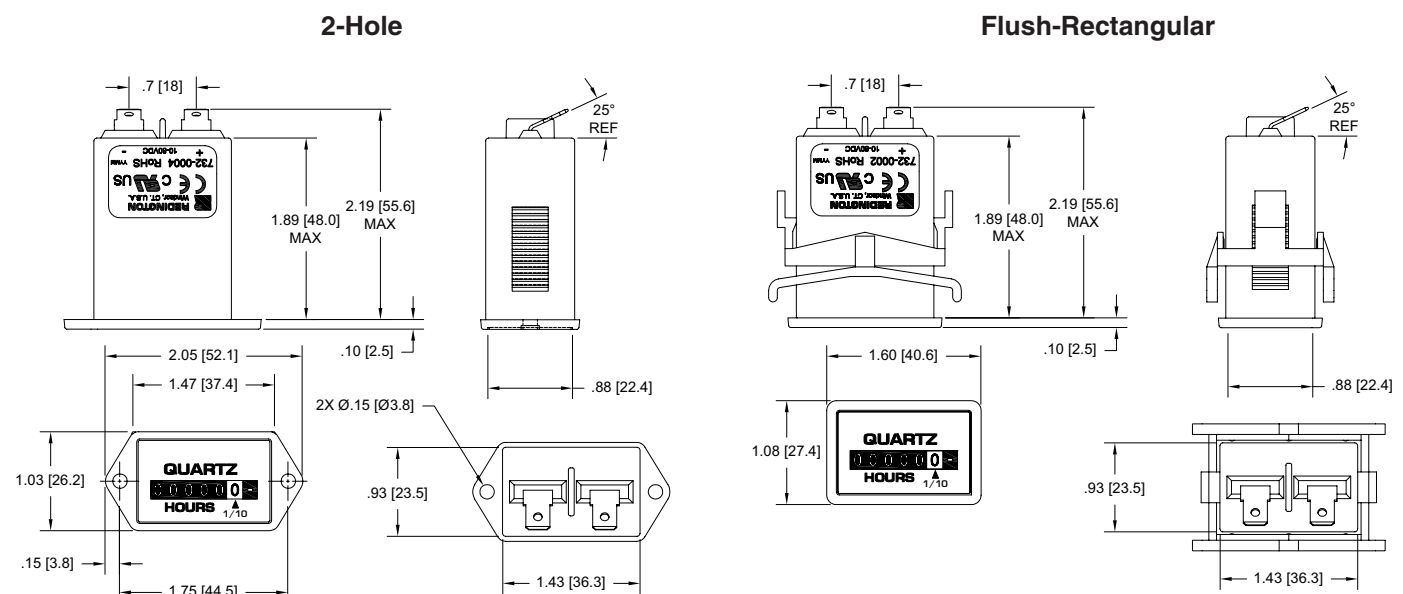
Figures:	6 - digits, 0.14" [3.6mm] 99999.9 Hours and running indicator - white on black Decimal - black on white	Transient Protection:	± 6 times normal for 300msec
Reset:	Non-reset	Agency Approvals:	UL/cUL Recognized, CE, SAE, & RoHS Compliant. All models are NEMA 4X, 12 Compliant except the Cup and Stirrup mount
Voltage:	10-80VDC	Overvoltage & Reverse Polarity:	Protected for 2 times battery voltage and/or reverse polarity
Power:	1 watt max.	Environmental:	Totally Sealed
Mounting:	Clip, mounting holes, Cup, or Stirrup	Front Panel:	NEMA 4X, 12 rated with optional gasket
Termination:	¼" [6.3mm] spade terminals	Temperature:	-40°F to +185°F [-40°C to + 85°C]
Weight:	~2.0 oz [57 g]	Humidity:	95% (SAE J1378)
Accuracy:	± 0.02% over entire range	Shock:	55g @ 9 - 13msec (SAE J1378)
Bezel:	Stirrup and Cup mount have metallic bezels	Vibration:	10-80Hz. 20g max. (SAE J1378)
Case Material:	Black polymer		
Lens Material:	Cup & Stirrup - glass All other models - polymer		

Models Description

732-0001	3-Hole Round, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0002	Flush-Rectangular, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0003	Flush-Round, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0004	2-Hole Rectangular, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0013	Panel mt, Round, Cup, stainless steel bezel, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0014	Panel mt, Round, Cup, black metallic bezel, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0023	Panel mt, Round, Stirrup, stainless steel bezel, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
732-0024	Panel mt, Round, Stirrup, black metallic bezel, 10-80VDC, ¼" [6.3mm] spade terminals, hours & 1/10's
5003-008	NEMA 4X, 12 Gasket for Models 732-0013, 732-0014, 732-0023, & 732-0024
5003-009	NEMA 4X, 12 Gasket for Model 732-0002
5003-010	NEMA 4X, 12 Gasket for Model 732-0004
5003-011	NEMA 4X, 12 Gasket for Model 732-0001
5003-012	NEMA 4X, 12 Gasket for Model 732-0003

* All items are normally in factory stock.

Dimensions

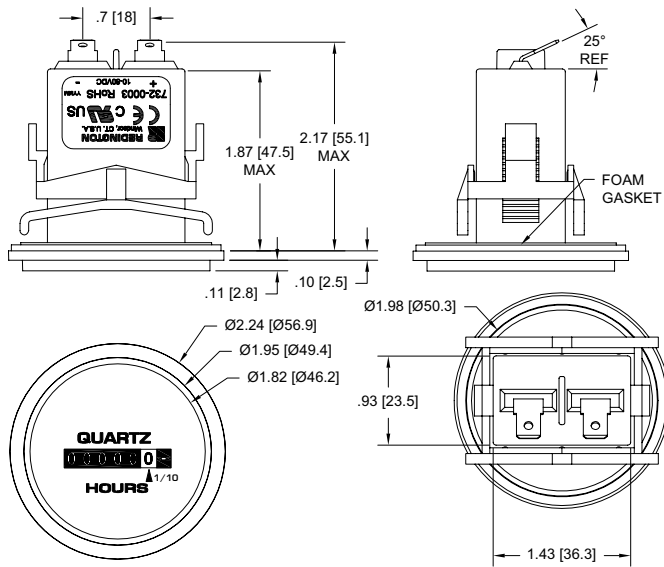


Panel Opening: 1.45" X 0.95" [36.8 X 24.1]

Panel Opening: 1.45" X 0.95" [36.8 X 24.1]
Maximum Panel Thickness: 0.03 to 0.63 [0.76 to 16.00]

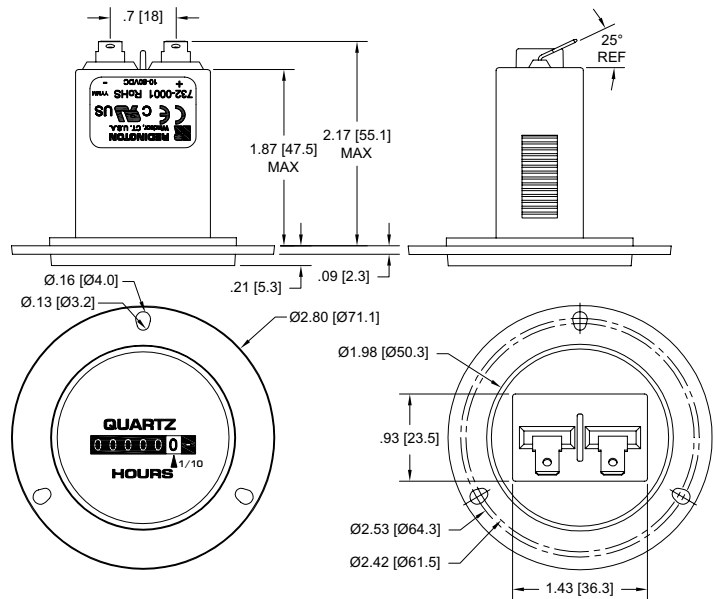


Flush-Round



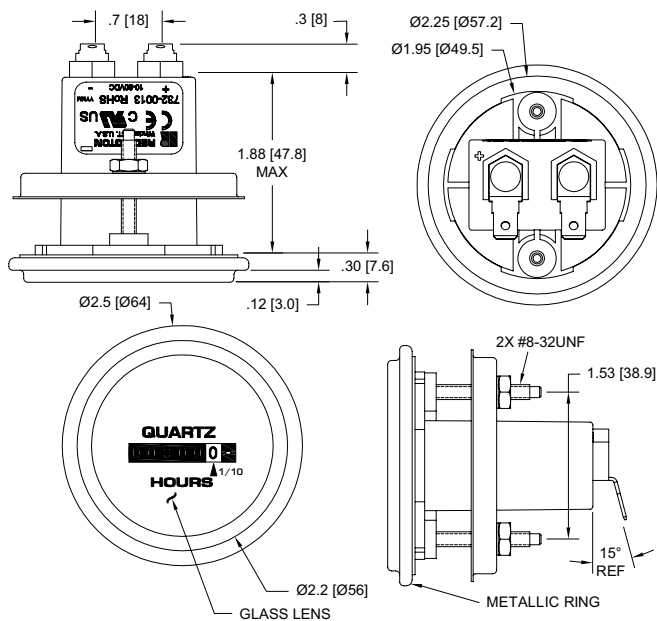
Panel Opening: 2.0" [50.6]
Maximum Panel Thickness: 0.40 [10.2]

3-Hole Round



Panel Opening: 2.0" [50.6]

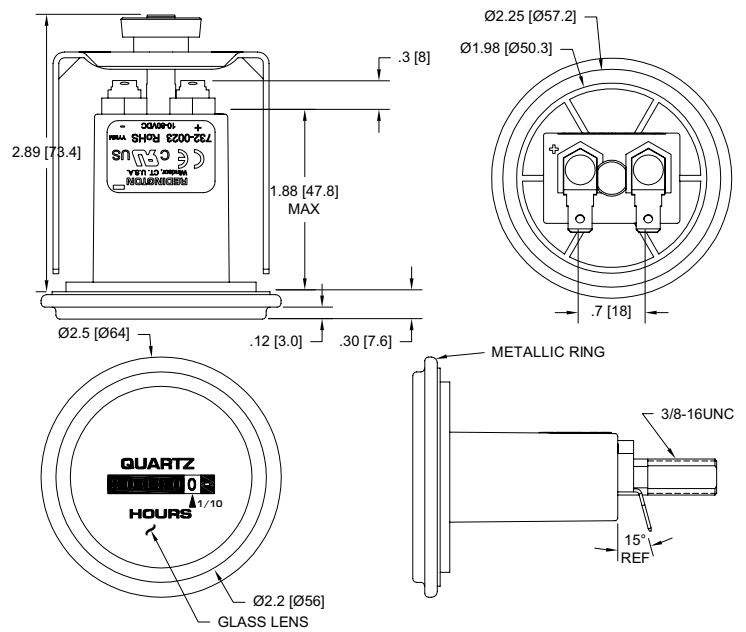
Cup



NOTE: SUPPLIED WITH MOUNTING HARDWARE

Panel Opening: 2.0" [50.6]

Stirrurp



NOTE: SUPPLIED WITH MOUNTING HARDWARE

Panel Opening: 2.0" [50.6]

Applications

Material Handling



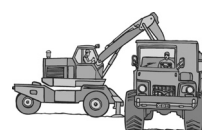
Farm Equipment



Outdoor Power Equipment



Construction Equipment



Utility Vehicles

