

# Model 3410

## Electronic LCD Hour Meter



The Model 3410 LCD Hour Meter provides a large display with 0.28" [7mm] high characters, in industry size housings. They are available in 5 different housings. All models are NEMA 4/4X, 12 & IP66 rated when used with the optional gasket and have a polarized lens which assures high visibility in an outdoor environment.

Maintenance Meters are offered with an optional maximum of 3 preset "Redi-Alerts" icons to alert user when service intervals are due or other periodic timed events are due. Models are available with front panel field or factory programmable alerts. Not only does the display flash to get attention, but it displays a choice of 7 different .08 [2mm] maintenance icons. Users can program or specify the count/service interval and flash duration for each Redi-Alert, Flash duration is the amount of time in hours that the specific icon flashes before and after the specified total count. If a front panel manual reset of the Redi-Alert is required, the front panel models with switches must be specified.

### Key Features

- Totally sealed from moisture and dirt
- AC or DC voltage input in the same unit
- Compact depth
- Fits in existing panel openings
- Always-on display
- 15+ Year Battery Life

### Options

- A choice of 5 housings
- A choice of reset modes
- Optional front panel programmable
- Preset Timer
- Can be programmed with starting time
- Up to 3 Redi-Alerts/7 icons

## Specifications

<b>Display</b>	LCD with large 0.28" [7mm] high figures black on light background	<b>Environmental:</b>	Temp. (Storage & Operating): -40°F to + 185°F [-40°C to +85°C]
<b>Run Indicator</b>	Blinking decimal point		Humidity: 95% RH per SAE J1378
<b>Reset</b>	Remote, manual & non-reset (remote reset not available on surface mounting housing)		Vibration: 20g @ 10 to 80 Hz per SAE J1378
<b>Hour Meter Resolution</b>	0.01 or 0.1 Hour, displayed; 1 second, internal		Shock: 44 to 55g's per SAE J1378
<b>Accuracy</b>	± 0.1% @ room temperature ± 0.2% over the specified temperature range	<b>Sealing</b>	Totally sealed
<b>Records &amp; Displays</b>	9999999.9 - hours & 1/10's or 9999999.9 - hours & 1/100's	<b>EMC Compliance:</b>	EN61326:1997 with A1:1998 and A2:2001 for industrial environments
<b>Inputs</b>	10-300VDC and 20-300VAC - 50/60Hz <2mA VIH 20VAC or 10VDC minimum VIL 3VAC or 3VDC maximum	<b>Protection Against</b>	Alternator load dump: 150V EMI (Electromagnetic Interface): +400V @ 500Hz inductive switching and reverse polarity
<b>Power</b>	Self-powered - battery life 15+ years	<b>Enclosure</b>	Totally sealed from moisture and dirt. NEMA 4/4X, 12 & IP66 compliant from the front when properly mounted using the optional gasket. (Not applicable in the Snap-In Model)
<b>Terminations</b>	Standard 0.250" [6.4mm] spades or 30cm lead wires	<b>Weight:</b>	1 oz. [28g]
		<b>Approvals</b>	UL & cUL recognized (file # ELIY2.E36690), CE, SAE, NEMA 4/4X/IP66 compliant

## Functions

**Optional Front Panel Switch Functions:** front panel switches can be used for reset, display selection and programming. The two front panel switches are used as follows:






**SEL:** During programming this switch is used to select options. The SEL switch is used during programming to move horizontally in the programming flow chart.

**RST:** This is the reset switch during normal operation. During programming the RST switch is used to enter an option. The RST switch is used during programming to move vertically in the programming flow chart.

## Notes

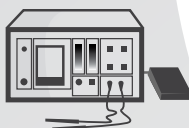
1. When interfacing the Model 34 with a Solid State Relay or AC Sensor, the leakage current needs to be considered.
2. Exceeding the Absolute Voltage Range and the Absolute Maximum Limits may result in damage to the unit.

## Available Icons

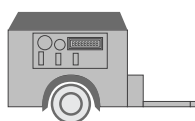
SVC	SERVICE		OIL		AIR FILTER		MUFFLER
CHG	CHANGE		OIL FILTER		LAMP		

## Applications

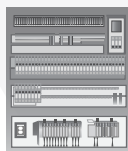
Medical Devices



Generators



Control Panel



Production Equipment



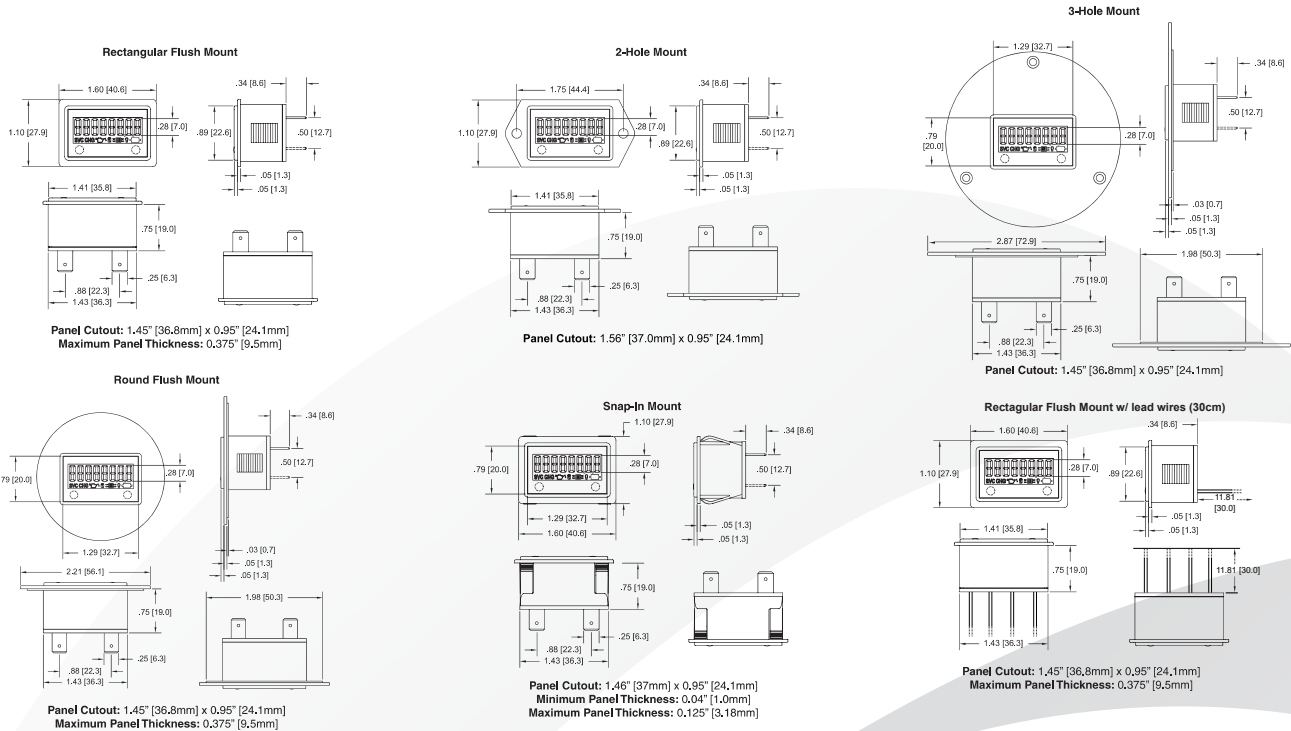
Garden Tractor



Marine Equipment



## Product Dimensions



## Part Numbers

Part Number	Description	Gasket
3410-0000	AC/DC Hour Meter 2-hole case 1/4" spade terminal non-reset	5003-010
3410-0010	AC/DC Hour Meter 2-hole case 1/4" spade terminal remote-reset	5003-010
3410-1000	AC/DC Hour Meter 3-hole case 1/4" spade terminals non-reset	5003-017
3410-1010	AC/DC Hour Meter 3-hole case 1/4" spade terminals remote-reset	5003-017
3410-2000	AC/DC Hour Meter flush rectangular case 1/4" spade terminals non-reset	
3410-2010	AC/DC Hour Meter flush rectangular case 1/4" spade terminals remote-reset	5003-009
3410-2210	AC/DC Hour Meter flush rectangular case 30cm lead wires remote reset	5003-009
3410-3000	AC/DC Hour Meter round SAE case 1/4" spade terminals non-reset	5003-009
3410-3010	AC/DC Hour Meter round SAE case 1/4" spade terminals remote-reset <b>**special order**</b> MOQ=50pcs	5003-009
3410-5000	AC/DC Hour Meter snap-in case 1/4" spade terminals non-reset	
3410-5010	AC/DC Hour Meter snap-in case 1/4" spade terminals non-reset	
5003-010	NEMA 4X Gasket two hole mount	
5003-017	NEMA 4X Gasket three hole mount	
5003-009	NEMA 4X Gasket flush rectangular mount	
5003-009	NEMA 4X Gasket SAE round mount	

**FOR FRONT PANEL PROGRAMMABLE PRESET AND REDI-ALERT OPTIONS PLEASE CONTACT US.**

