



**Ultra-compact 1/32 DIN  
hourmeters... available with  
LCD or LED display and  
AC/DC inputs**

**All in the family - Matching C342 series products in other sections of this catalog:**

**C342 Totalizing Counters:** Section 1  
**C342 Tachometers/Rate Indicators:** Section 4

A very compact elapsed time meter available in two operating modes: Hours:Minutes:Seconds, or Hours and 1/100 Hour. Standard versions are offered with an 8 digit LCD display or 6 digit LED display. Chose from self powered models containing a permanent 7 year lithium battery, or from models accepting an external 12 - 24 VDC power supply. Externally powered units utilize a nonvolatile RAM to keep timed data during absence of power.

Easy field programing allows interface to PNP or NPN start/stop signals, or you may choose a model that directly accepts high voltage AC or DC (12-250 VAC/DC) as its input.

LED models are available with an optional factory programmed preset limit (preset-time specified when ordered) and feature a transistor output that can perform control functions or interact with a PLC. A 6 character alphanumeric message (characters derived from seven segment pattern) can be programmed to appear when the preset time value is reached.

- Available with a 8 digit LCD display or a 6 digit LED
- LED units offer factory entered preset values, and transistor output
- Choose from internal battery or DC powered units
- Field programmable to accept PNP or NPN signals, with models available for high voltage inputs
- Compact 1/32 DIN bezel size and short depth
- Display can be reset from the front panel or remotely; front reset button can be disabled
- IP65 rated front panel for use in washdown environments

All units are packaged in a compact 1/32 DIN size case with depths as short as 32mm. The front panel is rated IEC IP65 for use in washdown environments. The C342 series also includes matching indicators for count-totalizing, position indication, and rate metering, as well as an alphanumeric message display. All are in a uniform 24 x 48 millimeters bezel size package.

## SPECIFICATIONS

**Input, NPN/PNP models:** Signal field selectable;  
Logic Low < 0.7 VDC, Logic High > 5 VDC; 30 VDC max.

**Input, AC/DC input models:** 12 - 250 VAC/VDC

**Optional Output:** PNP, 10mA

**Power Source:**

**External Power Supply Models:** 12 -24 VDC +20%/-10%

**Internally Powered Models:** Lithium Battery, 7 years typical life

**Display:** LCD: 7.0mm high; LED: 7.6mm high

**Time Mode:** Hours:Minutes:Seconds, or Hours (1/100 resolution)

**Operating Temperature:** -10°C to 50°C

**Front Panel Rating:** IEC IP65

**Approvals:** CE

Model No.	Time Range	Power Supply	Signal Input	Display Type/Digits	Control Output
C342-1464	H:M:S	Lithium	NPN/PNP	LCD/8	
C342-2464	H:1/100	Lithium	NPN/PNP	LCD/8	
C342-1474	H:M:S	Lithium	12 - 250AC/DC	LCD/8	
C342-2474	H:1/100	Lithium	12 - 250AC/DC	LCD/8	
C342-1462	H:M:S	12 - 24VDC	NPN/PNP	LCD/8	
C342-2462	H:1/100	12 - 24VDC	NPN/PNP	LCD/8	
C342-1562	H:M:S	12 - 24VDC	NPN/PNP	LED/6	*C342-1562A
C342-2562	H:1/100	12 - 24VDC	NPN/PNP	LED/6	*C342-2562A

\* Optional factory programmed preset limit with transistor output. Preset limit value must be specified at time of order. A 6 character alphanumeric message (characters derived from seven segment pattern) may also be specified to appear when the preset time value is reached.

## Dimensions:

