



**Ultra-compact 1/32 DIN totalizers... 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 Tachometers/Rate Indicators:** Section 4  
**C342 Timers:** Section 5

A very compact totalizing counter available standard with an 8 digit LCD display or 6 digit LED display. Chose from self powered models containing a 7 year lithium battery, or from models accepting an external 12 - 24 VDC power supply. Externally powered units utilize a nonvolatile RAM to keep counted data during absence of power.

Easy field programming allows interface to PNP or NPN count signals, or you may choose a model that directly accepts high voltage (12-250 VAC/DC) AC or DC pulses.

A bidirectional model, with 6 digit LED display, accepts signals from quadrature output encoders and is especially suited for positioning and length measuring applications.

LED models are available with an optional factory programmed preset limit (preset-count 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 count 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
- Bidirectional model suited for position and length measurements
- 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 time-totalizing 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.

Count Speed: 7.5kHz max.; 30Hz for contact-closure signal

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

Count Speed: 20Hz max.

**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

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

**Front Panel Rating:** IEC IP65

**Approvals:** CE, RoHS

Model No.	Count Mode	Power Supply	Signal Input	Display Type/Digits	Control Output
C342-0464	Up	Lithium	NPN/PNP	LCD/8	
C342-0474	Up	Lithium	12 - 250AC/DC	LCD/8	
C342-0462	Up	12 - 24VDC	NPN/PNP	LCD/8	
C342-0562	Up	12 - 24VDC	NPN/PNP	LED/6	*C342-0562A
C342-8562	Up/Down	12 - 24VDC	Quadrature	LED/6	

\* 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 count value is reached.

## Dimensions:

