# MODEL 332 MODEL 362

# **Interval Timer**

- DPDT Digital or knob-adjust versions
- Wide variety of voltage and timing ranges
- 5-year unconditional warranty





#### **DESCRIPTION**

The **Models 332** and **362 Interval Timers** are designed for a wide usage in new or replacement industrial applications. Examples include automatic and batch control circuits, where the relay needs to be energized for a specific length of time after start-up.

The Model 332 is a DPDT potentiometer (knob-adjust) timer. The Model 362 is a DPDT, high-accuracy digital input timer. Solid-state timing circuits in each model drive an internal electromechanical relay.

Each model is functionally interchangeable. They are available in a variety of voltage and timing ranges to cover most any application.

An "SG" version of this model is available using silver with gold flash contacts.

Models 332 and 362 are UL Recognized and CSA Certified.

#### **UL SPECIFICATIONS\***

Models	332 and 362	
Input		
Voltage (VAC)	10-28V AC/DC OR 40-260V AC/DC	
Power	3 Watts Max	
Output	240V AC, 10A, Resistive 120V AC, 4A, General Use 240V AC, 2A, General Use C300, Pilot Duty	

\* Pilot Duty:

120V: Make 15A, Break 1.5A 240V: Make 7.5A, Break 0.75A

#### **SPECIFICATIONS**

<b>332</b> (knob adj.)	<b>362</b> (digital)	
L = 10-28V AC/DC H = 40-260V AC/DC		
10SEC: 1 - 10 Sec. 60SEC: 1 - 60 Sec. 180SEC: 1 - 180 Sec. 300SEC: 1 - 300 Sec.	.1SEC: 0.1 - 102.3 Sec. 1SEC: 1 - 1023 Sec. 1MIN: 1 - 1023 Min.	
± 5%	± 2%	
± 2%	± 0.1%	
100ms		
-20°F to +140°F		
DPDT		
10A at 240VAC resistive		
775V, 80 Joules		
0 - 97% w/o condensation		
NORYL Plastic		
8-pin socket (not included)**		
5 oz.		
*UL Recognized and CSA Certified		
/C = Custom (Voltage and/or Timing) /SG = Silver with Gold Flash Contacts		
	H = 40-26  10SEC: 1 - 10 Sec. 60SEC: 1 - 60 Sec. 180SEC: 1 - 180 Sec. 300SEC: 1 - 300 Sec.  ± 5%  ± 2%  10  -20°F  10A at 240 775V, 0 - 97% w/o NORN 8-pin socket  *UL Recognized	

\*\* order 8 -pin socket number 51X120

Ordering Examples (Model-Voltage-Timing Range [/Options]): 362-H-.1SEC = Model 362 with a 40-260V AC/DC voltage range and a timing range of 0.1-102.3 seconds.

**332-L-180SEC /SG** = Model 332 with a 10-28V AC/DC voltage range, a timing range of 1-180 seconds, and optional silver with gold flash contacts.

Contact Time Mark to order a custom programmed unit

Telephone: Main - (918) 438-1220

Sales - (800) 862-2875

Fax: (918) 437-7584

E-mail: sales@time-mark.com http://www.time-mark.com



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# MODEL 332 / 362 Interval Timer

READ ALL INSTRUCTIONS BEFORE INSTALLING, OPERATING OR SERVICING THIS DEVICE.

KEEP THIS DATA SHEET FOR FUTURE REFERENCE.

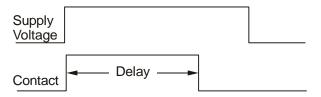
### **GENERAL SAFETY**

POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE TERMINALS OF THE MODEL 332 OR 362. ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN CONNECTING OR DISCONNECTING WIRING. THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL.

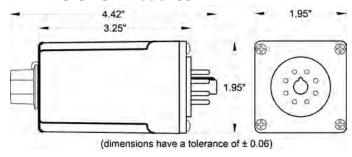
### **Installation Instructions**

#### **OPERATION**

The internal relay energizes immediately on application of the supply voltage. Upon completion of the delay period, the relay de-energizes. The supply voltage must be removed to reset the timer.

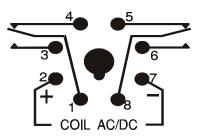


#### **DIMENSIONS - Model 332**



#### **PIN DIAGRAM**

The Models 332 and 362 Interval Timers require a standard 8-pin socket for mounting, and use a standard pin configuration. Refer to the pin diagram below, or on the timer, for terminal connections.

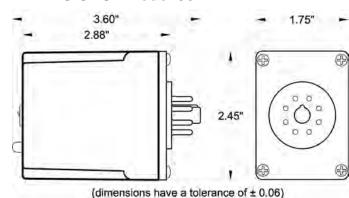


Shows No Power Applied

An LED on top of the unit provides a quick visual indicator of the relay's status.

LED Indicator	Unit Status
Green	Energized
Red	De-energized
Flashing (Green or Red)	Relay is Timing

#### **DIMENSIONS - Model 362**



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## Installation Instructions

#### ADJUSTMENT PROCEDURE - Model 362

The procedure to determine the switch selections for the digital Model 362 Interval Timer requires some simple calculations, which can be completed easily after the basic steps are explained.

 Convert the delay time required to minutes, seconds. or tenths of seconds, depending upon the timing range of the unit. For example:

7 hrs,  $32 \min = (7x60) + 32 = 452 \min$ 

15 min,  $2 \sec s = (15x60) + 2 = 902 \sec s$ 

6.7 secs = (6.7\*10) = 67 tenths of a second

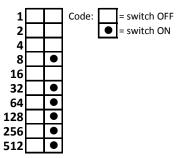
2. To set the desired delay period on the timer, just add the values of the selected dip switches (beginning with the largest value first) to total the desired time.

e.g. #1: 100 seconds with a 1 second increment

1		Code: = switch OFF
2		= switch ON
4	•	
8		
16		
32	•	
64	•	
128		
256		
512		

64 + 32 + 4 = 100 seconds

e.g. #2: 100 seconds with a .1 second increment



512+256+128+64+32+8 = 1000 tenths of a seconds

#### WARRANTY

This product is warranted to be free from defects in materials and workmanship, and is covered by our exclusive 5-year Unconditional Warranty. Should this device fail to operate for any reason, we will repair it for five years from the date of manufacture. For complete warranty details, see the Terms and Conditions of Sales page in the front section of the Time Mark catalog or contact Time Mark at 1-800-862-2875.

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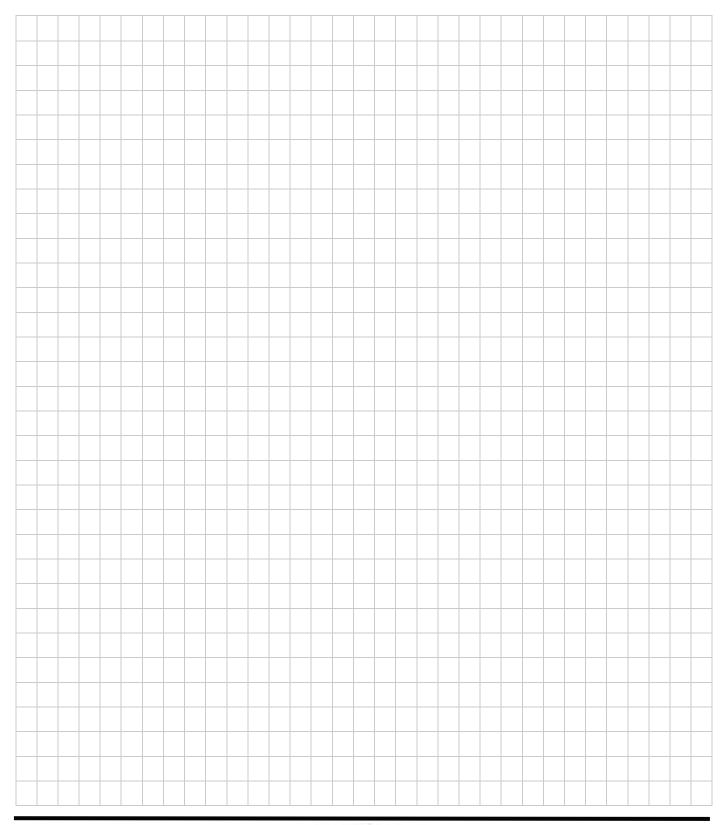


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# Have Questions? Call us at (800) 862-2875 and talk to a real live person.



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