

# MODEL 330 MODEL 360

## Operate Delay Relays



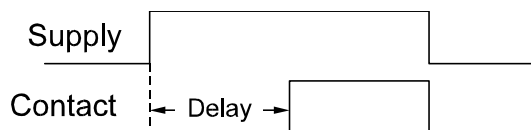
- Solid-State Design
- 10 Amp Relay Contacts
- Multiple Voltage and Timing Ranges
- 5-Year Unconditional Warranty



### DESCRIPTION

The Models 330 and 360 Operate Delay Relays are designed for a wide range of industrial applications. Examples include automatic and machine tool control circuits, HVAC circuits, and warm-up delay circuits. The Model 330 is a DPDT, knob-adjustable timer. The Model 360 is a DPDT, high-accuracy digital timer. Solid-state timing circuits in each model drive an internal electromechanical relay.

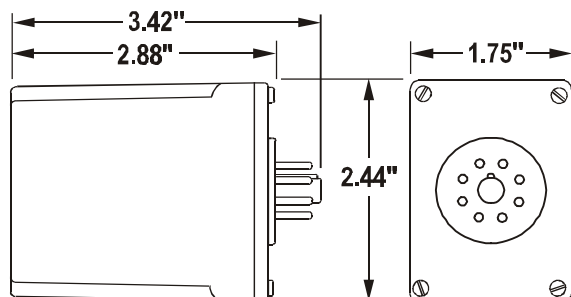
Each model is functionally interchangeable. They are available in a variety of voltage and timing ranges to cover all possible applications. The Model 330 is UL Recognized and CSA Certified in all voltage ranges. The Model 360 is UL Recognized and CSA Certified in voltage ranges of 120VAC/DC or less, and the Model 360 is CSA Certified in voltage ranges of 230VAC/DC.



### OPERATION

The time delay begins when the supply voltage is applied. Upon completion of the delay period, the internal relay will energize, and remain that way until the supply voltage is removed.

### DIMENSIONS - Model 360



(dimensions have tolerance of  $\pm 0.06$ )

### SPECIFICATIONS

MODEL	330	360
Supply Voltage	12, 24, 120 or 230 VAC/DC	
Timing Range	1 - 10 seconds 1 - 60 seconds 1 - 180 seconds 1 - 300 seconds	0.1 - 102.3 seconds 1 - 1023 seconds 1 - 1023 minutes
Accuracy	$\pm 5\%$	$\pm 2\%$
Repeatability	$\pm 2\%$	$\pm 0.1\%$
Recycle Time	100 msec	20 msec
Contact Rating	DPDT 10A at 120VAC resistive	
Transient Protection	2500 VRMS for 10 msec	
Operating Temperature	-40° to +140° F	
Humidity Tolerance	0 - 97% w/o condensation	
Enclosure Material	ABS plastic	
Mounting	8-pin socket (*not included)	
Weight	5 oz.	
Agency Approval	UL Recognized and CSA Certified	UL Recognized & CSA Certified up to 120VAC/DC

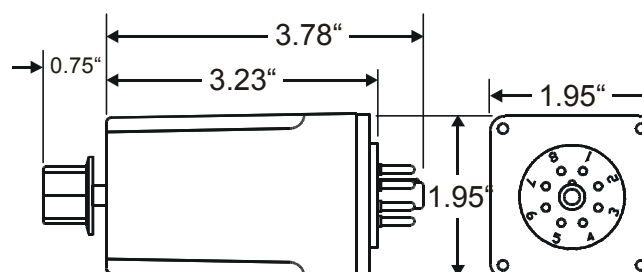
\* order 8-pin socket number 51X120

### ORDERING OPTIONS

MODEL	VOLTS	DELAY	
330 (knob-adj)	12 VAC/DC	330 ONLY	360 ONLY
360 (digital)	24 VAC/DC	10 seconds	0.1 seconds
	120 VAC/DC	60 seconds	1 Second
	230 VAC/DC	180 seconds	1 Minute
		300 seconds	

EXAMPLE: 330-120-60 orders a knob-adjustable 120VAC/DC timer, with a range of 1 to 60 seconds.

### DIMENSIONS - Model 330



(dimensions have tolerance of  $\pm 0.06$ )