



# RELAYS & CONTACTORS

## MULTIFUNCTION TIMING RELAYS TRU SERIES

### DESCRIPTION

The **TRU Series** is a multifunction, knob adjustable, universal time delay relay. It includes six of the most popular timing functions selected by a slide switch. The time delay is knob adjustable and the time delay range is switch selectable. The repeat accuracy is  $\pm 0.1\%$ . Both function and time range can be selected on the top face of the unit. In addition to multifunctioning and multiple time ranges, the **TRU Series** features universal input voltage; 19 to 264VAC and 19 to 30VDC and full 10A output relay. The **TRU Series** can directly replace up to 1000 competitive time delay relay models.

### FEATURES

- **Microcontroller  $\pm 0.1\%$  repeat accuracy**
- **Six timing functions are switch selectable**
- **0.1s - 1000m in six ranges**

NEW!



TRU Series

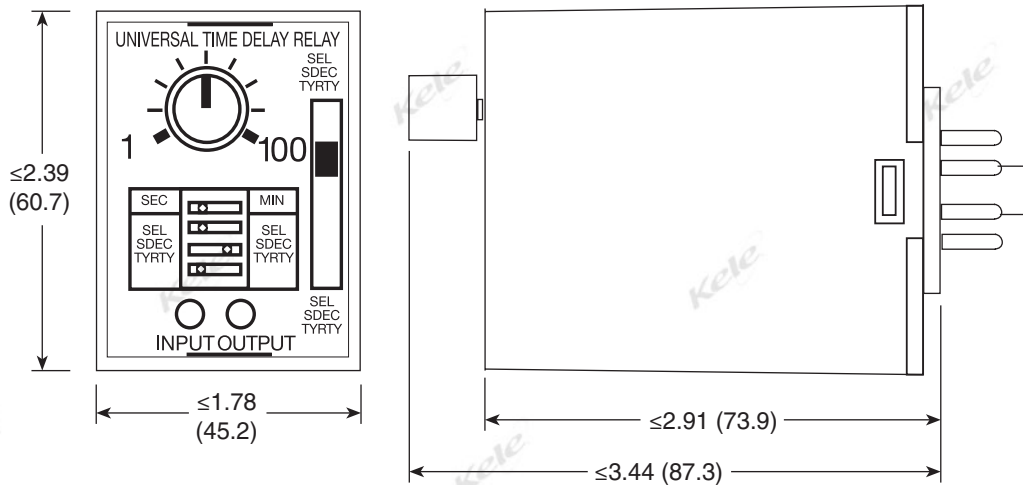
SSAC



### SPECIFICATIONS

<b>Input Voltage</b>	19 to 264 VAC and 19 to 30 VDC	<b>Accuracy</b>	$\pm 0.1\%$
<b>Frequency</b>	50/60 Hz	<b>Adjustments</b>	4 position DIP switch
<b>Output Type</b>	Electromechanical relay	<b>Operating Temperature</b>	-4° to 149°F to (-20° to 65°C)
<b>Contact Configuration</b>	SPDT & DPDT, isolated	<b>Storage Temperature</b>	-22° to 185°F (-30° to 85°C)
<b>Load Type</b>	10A resistive @ 120/240 VAC, 28 VDC; 1/3 HP @ 120/240 VAC	<b>Mounting</b>	Plug-in socket
<b>Electrical Life</b>	1 million operations	<b>Approvals</b>	CE, CSA, UR File #E57310
<b>Mechanical Life</b>	10 million operations	<b>Weight</b>	0.38 lb (0.17kg)
		<b>Warranty</b>	10 years

### DIMENSIONS

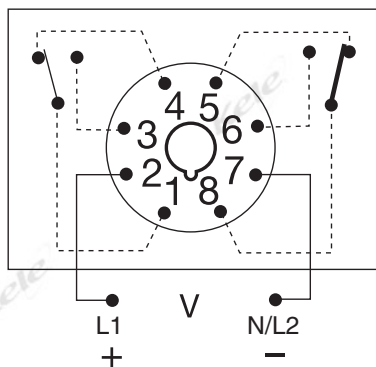


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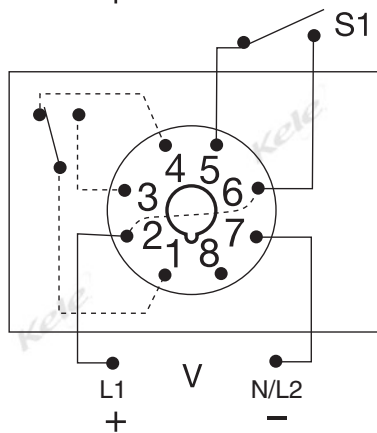
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### WIRING



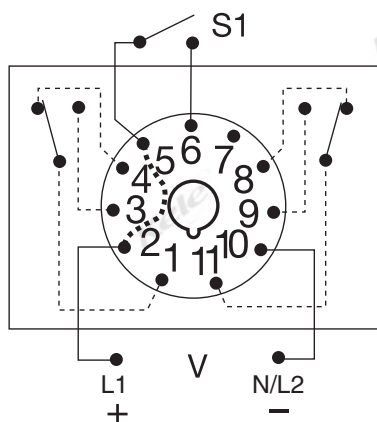
#### 8-pin DPDT

Delay-on-Make  
Interval  
Recycling



#### 8-pin SPDT

Delay-on-Make  
Interval  
Single Shot  
Recycling (ON Time First,  
Equal Recycle Delays)  
Delay-on-Break  
Retriggerable Single Shot



#### 11-pin DPDT

S1 = Initiate Switch

### ORDERING INFORMATION

**MODEL**  
TRU1  
TRU2  
TRU3

#### DESCRIPTION

Multifunction timing relay, 24-240VAC, 24VDC, DPDT, adjustable 8 pin plug-in  
Multifunction timing relay, 24-240VAC, 24VDC, SPDT, adjustable 8 pin plug-in  
Multifunction timing relay, 24-240VAC, 24VDC, DPDT, adjustable 11 pin plug-in

#### RELATED PRODUCTS

**NDS-11**  
**NDS-8**

11 pin socket base, 300VAC, surface or DIN mount  
8 pin socket base, 300VAC, surface or DIN mount