

# PROGRAMMABLE | MULTI-RANGE ON DELAY, INTERVAL ON & FLASHER

## TR-6 SERIES TIME RANGER™

The TR-6 Series offers the flexible programmability of a multi-range time delay relay together with a universal input voltage. These products provide an easy method to select one of 16 time ranges between 0.05 seconds and 100 hours using a rotary switch. The actual time delay is then set by using the potentiometer to adjust within the selected time range.



- ◆ Each unit has 16 timing ranges built-in covering 0.05 seconds-100 hours
- ◆ Selecting a range is easy using a rotary switch (no math is required or DIP switches to set)
- ◆ Universal input voltage: 24-240V AC & 12-125V DC
- ◆ Uses industry-standard 8 pin octal sockets
- ◆ 10A DPDT output contacts can handle most pilot duty & fractional HP loads



Better. By Design.

FUNCTION ■ 50/60Hz.	INPUT VOLTAGE	CATALOG NUMBER	WIRING/SOCKETS
<b>ON DELAY</b> <b>A</b>	24-240V AC & 12-125V DC	TR-6022U	<p><b>DIAGRAM 1</b></p>
<b>INTERVAL ON</b> <b>B</b>	24-240V AC & TR-6052U 12-125V DC	TR-6052U	
<b>FLASHER</b> (OFF 1st) <b>E</b>	24-240V AC & TR-6082U 12-125V DC	TR-6082U	
<b>FLASHER</b> (ON 1st) <b>F</b>	24-240V AC & TR-6092U 12-125V DC	TR-6092U	

■ See "Definitions of Timing Functions".

## TIMING RANGES

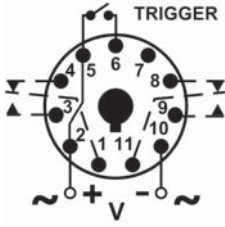

Select one of the 16 built-in time ranges by setting the rotary switch per a chart on the unit (see below) and then adjust within that range using the knob on top.

Dial Setting	Timing Range
A	0.05 - 0.5 Sec.
B	0.1 - 1 Sec.
C	0.5 - 5 Sec.
D	1 - 10 Sec.
E	3 - 30 Sec.
F	6 - 60 Sec.
G	0.2 - 2 Min.
H	0.5 - 5 Min.
I	1 - 10 Min.
J	3 - 30 Min.
K	6 - 60 Min.
L	0.2 - 2 Hr.
M	0.5 - 5 Hr.
N	1 - 10 Hr.
O	2.4 - 24 Hr.
P	10 - 100 Hr.

Sockets & Accessories available

# PROGRAMMABLE | MULTI-RANGE OFF DELAY, SINGLE SHOT & WATCHDOG TR-6 SERIES TIME RANGER™

The TR-6 Series offers the flexible programmability of a multi-range time delay relay together with a universal input voltage. These products provide an easy method to select one of 16 time ranges between 0.05 seconds and 100 hours using a rotary switch. The actual time delay is then set by using the potentiometer to adjust within the selected time range.

FUNCTION ■	INPUT VOLTAGE 50/60Hz.	CATALOG NUMBER	WIRING/SOCKETS
<b>OFF DELAY ▲</b> Control Switch Trigger <b>C</b>	24-240V AC & 12-125V DC	TR-6162U	11 PIN OCTAL <b>70170-D</b>  <b>DIAGRAM 212</b>
<b>SINGLE SHOT</b> Control Switch Trigger <b>D</b>	24-240V AC & 12-125V DC	TR-6152U	
<b>WATCHDOG</b> Control Switch Trigger (Retriggerable Single Shot) <b>J</b>	24-240V AC & 12-125V DC	TR-6132U	
<b>OFF DELAY ▲</b> Power Trigger <b>C</b>	24-240V AC & 12-125V DC	TR-6192U	11 PIN OCTAL <b>70170-D</b>  <b>DIAGRAM 216</b>
<b>SINGLE SHOT</b> Power Trigger <b>D</b>	24-240V AC & 12-125V DC	TR-6172U	
<b>WATCHDOG</b> Power Trigger (Retriggerable Single Shot) <b>J</b>	24-240V AC & 12-125V DC	TR-6182U	

■ See "Definitions of Timing Functions".

▲ See TR-606 Series for True Off Delay function.

## TIMING RANGES

Select one of the 16 built-in time ranges by setting the rotary switch per a chart on the unit (see below) and then adjust within that range using the knob on top.

Dial Setting	Timing Range
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B	0.1 - 1 Sec.
C	0.5 - 5 Sec.
D	1 - 10 Sec.
E	3 - 30 Sec.
F	6 - 60 Sec.
G	0.2 - 2 Min.
H	0.5 - 5 Min.
I	1 - 10 Min.
J	3 - 30 Min.
K	6 - 60 Min.
L	0.2 - 2 Hr.
M	0.5 - 5 Hr.
N	1 - 10 Hr.
O	2.4 - 24 Hr.
P	10 - 100 Hr.

Sockets & Accessories available



- ◆ Each unit has 16 timing ranges built-in covering 0.05 seconds-100 hours
- ◆ Selecting a range is easy using a rotary switch (no math is required or DIP switches to set)
- ◆ Universal input voltage: 24-240V AC & 12-125V DC
- ◆ Uses industry-standard 11 pin octal sockets
- ◆ 10A DPDT output contacts can handle most pilot duty & fractional HP loads



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# PROGRAMMABLE | MULTI-RANGE REPEAT CYCLE & DELAYED INTERVAL

## TR-6 SERIES TIME RANGER™

The TR-6 Series offers the flexible programmability of a multi-range time delay relay together with a universal input voltage. These products provide an easy method to select one of 16 time ranges between 0.05 seconds and 100 hours using a rotary switch. The actual time delay is then set by using the potentiometer to adjust within the selected time range.



- ◆ Each unit has 16 timing ranges built-in covering 0.05 seconds-100 hours
- ◆ Selecting a range is easy using a rotary switch (no math is required or DIP switches to set)
- ◆ Independently selectable & adjustable ON & OFF times
- ◆ Universal input voltage: 24-240V AC & 12-125V DC
- ◆ Uses industry-standard 8 or 11 pin octal sockets
- ◆ 10A DPDT output contacts can handle most pilot duty & fractional HP loads



FUNCTION	INPUT VOLTAGE ■ 50/60Hz.	CATALOG NUMBER	WIRING/ SOCKET
<b>REPEAT CYCLE*</b> (OFF Time First Followed By ON Time and Repeating) <b>L</b>	24-240V AC & 12-125V DC	TR-6312U	8 PIN OCTAL <b>70169-D</b>  <b>DIAGRAM 1</b>
<b>REPEAT CYCLE*</b> (ON Time First Followed By OFF Time and Repeating) <b>M</b>	24-240V AC & 12-125V DC	TR-6512U	 <b>DIAGRAM 1</b>
<b>DELAYED INTERVAL*</b> (OFF Time Followed by ON Time Followed by OFF State Until Reset) <b>N</b>	24-240V AC & 12-125V DC	TR-6612U	
<b>DELAYED INTERVAL*</b> Control Switch Trigger (OFF Time Followed by ON Time Followed by OFF State Until Reset) <b>P</b>	24-240V AC & 12-125V DC	TR-6652U	11 PIN OCTAL <b>70170-D</b>  <b>DIAGRAM 212</b>

\* See "Definitions of Timing Functions".

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