

File No.  
E109466



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LR45565

## TIME DELAY RELAYS

Macromatic offers two styles of full size plug-in time delay relays. Selecting one of the 16 built-in time ranges on the *Time Ranger*™ programmable products is easy using a rotary switch instead of DIP switches -no math is required. Each *Time Ranger* can be programmed for any time delay up to 2 hours (up to 24 hours on dual knob units\*). Each of the Standard products have a specific timing range indicated by the two digit suffix code in the Timing Range Table. **Output:** 10A DPDT @ 240VAC/28VDC, 1/2 HP @ 240VAC. **Dimensions:** 3.2" x 2.4" x 1.7"

### Product Selection

Function	Input Voltage:	Time Ranger™ Product No. Each unit has 16 programmable time delay ranges:	Standard Product No.** Complete Product No. using Timing Range Table	Wiring/ Sockets
<b>ON DELAY</b>	120VAC/DC 12VAC/DC 24VAC/DC	TR-60222 TR-60226 TR-60228	TR-50222-** TR-50226-** TR-50228-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>INTERVAL ON</b>	120VAC/DC 12VAC/DC 24VAC/DC	TR-60522 TR-60526 TR-60528	TR-50522-** TR-50526-** TR-50528-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>FLASHER</b>	120VAC/DC 12VAC/DC 24VAC/DC	TR-60822 TR-60826 TR-60828	TR-50822-** TR-50826-** TR-50828-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>OFF DELAY</b> Control Switch Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61622 TR-61626 TR-61628	TR-51622-** TR-51626-** TR-51628-**	<b>DIAGRAM 2</b> 11 PIN OCTAL 70170-D
<b>OFF DELAY</b> Power Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61922 TR-61926 TR-61928	TR-51922-** TR-51926-** TR-51928-**	<b>DIAGRAM 4</b> 11 PIN OCTAL 70170-D
<b>SINGLE SHOT</b> Control Switch Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61522 TR-61526 TR-61528	TR-51522-** TR-51526-** TR-51528-**	<b>DIAGRAM 2</b> 11 PIN OCTAL 70170-D
<b>SINGLE SHOT</b> Power Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61722 TR-61726 TR-61728	TR-51722-** TR-51726-** TR-51728-**	<b>DIAGRAM 4</b> 11 PIN OCTAL 70170-D
<b>WATCHDOG</b> Control Switch Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61322 TR-61326 TR-61328	TR-51322-** TR-51326-** TR-51328-**	<b>DIAGRAM 2</b> 11 PIN OCTAL 70170-D
<b>WATCHDOG</b> Power Trigger	120VAC/DC 12VAC/DC 24VAC/DC	TR-61822 TR-61826 TR-61828	TR-51822-** TR-51826-** TR-51828-**	<b>DIAGRAM 4</b> 11 PIN OCTAL 70170-D
<b>REPEAT CYCLE*</b> (OFF Time First Followed By ON Time)	120VAC/DC 12VAC/DC 24VAC/DC	TR-63122 TR-63126 TR-63128	TR-53122-** TR-53126-** TR-53128-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>REPEAT CYCLE*</b> (ON Time First Followed By OFF Time)	120VAC/DC 12VAC/DC 24VAC/DC	TR-65122 TR-65126 TR-65128	TR-55122-** TR-55126-** TR-55128-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>DELAYED INTERVAL*</b> (OFF Time/Off Time/ OFF State Until Reset)	120VAC/DC 12VAC/DC 24VAC/DC	TR-66122 TR-66126 TR-66128	TR-56122-** TR-56126-** TR-56128-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D
<b>INTERVAL ON/FLASHER*</b> (ON Time Followed by Flashing OFF-ON)	120VAC/DC 12VAC/DC 24VAC/DC	TR-66422 TR-66426 TR-66428	TR-56422-** TR-56426-** TR-56428-**	<b>DIAGRAM 1</b> 8 PIN OCTAL 70169-D

### \*\*Timing Range Table (For Standard products)

Time Delay Range	Suffix Code
0.2 - 5 Sec.	04
0.3 - 10 Sec.	05
1.0 - 30 Sec.	07
2.0 - 60 Sec.	08
4.0 - 120 Sec.	09
6.0 - 180 Sec.	10
10 - 300 Sec.	12
20 Sec. - 10 Min.	22
1 - 30 Min.	15
2 - 60 Min.	16
4 Min. - 2 Hr.	17

### WIRING/SOCKET DIAGRAMS

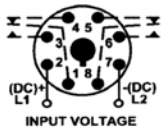


DIAGRAM 1

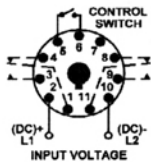


DIAGRAM 2

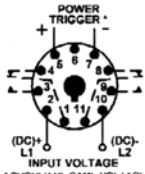


DIAGRAM 4

\* SHOULD BE SAME VOLTAGE AS INPUT VOLTAGE

Type Of Mounting	Accessory	Product Number
35mm DIN Track/ Surface	8 Pin Octal Socket	70169-D
35mm DIN Track/ Surface	11 Pin Octal Socket	70170-D

\*Dual knob unit