

TIME DELAY RELAYS

STANDARD NON-PROGRAMMABLE PLUG-IN

- ◆ Timing Ranges from 0.02 Seconds to 24 Hours
- ◆ Dual-Rated AC or DC Input Voltages
- ◆ Voltages from 12VAC/DC to 240VAC
- ◆ ±0.1% Repeat Accuracy
- ◆ 10A @240VAC DPDT Output
- ◆ Independently Adjustable ON & OFF Times on Repeat Cycle Products
- ◆ Industry-Standard 8 & 11 Pin Octal Sockets

WIRING/SOCKET DIAGRAMS

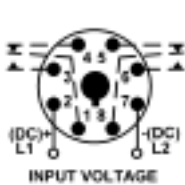


DIAGRAM 1

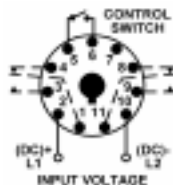


DIAGRAM 2

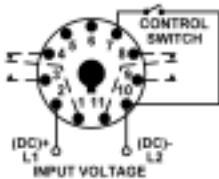


DIAGRAM 3

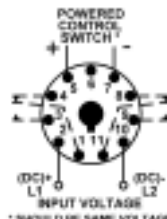


DIAGRAM 4



800-238-7474



** TIMING RANGE TABLE

COMPLETE PRODUCT NUMBER USING TWO DIGIT CODE FROM TABLE BELOW:

Time Delay Range	Code	Time Delay Range	Code
0.02 - 0.5 Sec.	01	15 - 450 Sec.	13
0.03 - 1 Sec.	02	20 Sec. - 10 Min.	22
0.06 - 2 Sec.	03	30 Sec. - 15 Min.	14
0.2 - 5 Sec.	04	1 - 30 Min.	15
0.3 - 10 Sec.	05	2 - 60 Min.	16
0.5 - 15 Sec.	06	4 Min. - 2 Hr.	17
1.0 - 30 Sec.	07	6 Min. - 3 Hr.	18
2.0 - 60 Sec.	08	8 Min. - 4 Hr.	19
4.0 - 120 Sec.	09	15 Min. - 8 Hr.	20
6.0 - 180 Sec.	10	25 Min. - 12 Hr.	21
10 - 300 Sec.	12	50 Min. - 24 Hr.	23

Fixed Time Delay (at no charge): add suffix "F" and fixed time delay desired to Product Number, i.e., SS-50222-F10S is an On Delay with a time delay fixed at 10 seconds.

FUNCTION	INPUT VOLTAGE	PRODUCT NUMBER** COMPLETE PRODUCT NUMBER USING TWO DIGIT CODE FROM TABLE ABOVE	WIRING/SOCKETS
ON DELAY	120VAC/DC	SS-50222-**	8 Pin Octal 70169-D DIAGRAM 1
	12VAC/DC	SS-50226-**	
	24VAC/DC	SS-50228-**	
	240VAC	SS-50221-**	
INTERVAL ON	120VAC/DC	SS-50522-**	8 Pin Octal 70169-D DIAGRAM 1
	12VAC/DC	SS-50526-**	
	24VAC/DC	SS-50528-**	
	240VAC	SS-50521-**	
OFF DELAY (5-6 Trigger)	120VAC/DC	SS-51622-**	11 Pin Octal 70170-D DIAGRAM 2
	12VAC/DC	SS-51626-**	
	24VAC/DC	SS-51628-**	
	240VAC	SS-51621-**	
OFF DELAY (7-10 Trigger)	120VAC/DC	SS-51422-**	11 Pin Octal 70170-D DIAGRAM 3
	12VAC/DC	SS-51426-**	
	24VAC/DC	SS-51428-**	
	240VAC	SS-51421-**	
OFF DELAY (Power Trigger)	120VAC/DC	SS-51922-**	11 Pin Octal 70170-D DIAGRAM 4
	12VAC/DC	SS-51926-**	
	24VAC/DC	SS-51928-**	
	240VAC	SS-51921-**	
SINGLE SHOT (Momentary Interval)	120VAC/DC	SS-51522-**	11 Pin Octal 70170-D DIAGRAM 2
	12VAC/DC	SS-51526-**	
	24VAC/DC	SS-51528-**	
	240VAC	SS-51521-**	
WATCHDOG (Power Trigger Retriggerable Single Shot)	120VAC/DC	SS-51822-**	11 Pin Octal 70170-D DIAGRAM 4
	12VAC/DC	SS-51826-**	
	24VAC/DC	SS-51828-**	
	240VAC	SS-51821-**	
REPEAT CYCLE* (OFF Time First Followed By ON Time)	120VAC/DC	SS-53122-**	8 Pin Octal 70169-D DIAGRAM 1
	12VAC/DC	SS-53126-**	
	24VAC/DC	SS-53128-**	
	240VAC	SS-53121-**	
REPEAT CYCLE* (ON Time First Followed By OFF Time)	120VAC/DC	SS-55122-**	8 Pin Octal 70169-D DIAGRAM 1
	12VAC/DC	SS-55126-**	
	24VAC/DC	SS-55128-**	
	240VAC	SS-55121-**	
DELAYED INTERVAL* (OFF Time Followed by ON Time Followed by OFF State Until Reset)	120VAC/DC	SS-56122-**	8 Pin Octal 70169-D DIAGRAM 1
	12VAC/DC	SS-56126-**	
	24VAC/DC	SS-56128-**	
	240VAC	SS-56121-**	

* These units have independently adjustable ON and OFF times.

Factory Modifications: ◆ External Adjust ◆ Special Triggering ◆ Non-Standard Voltages

APPLICATION DATA

Voltage Tolerance:

AC Operation: +10/-15% of nominal at 50/60 hz.
DC Operation: +10/-15% of nominal.

Load (Burden):

Less than 2.5 watts.

Repeat Accuracy:

±0.1% for constant voltage and temperature.

Setting Accuracy:

Maximum Setting: +0%, -50%
Minimum Setting: +5%, -0%.

Triggering Off Delay or Single Shot Timers:

Timing sequence must be initiated only after input voltage is applied to unit.

Compatibility:

Do not use a solid state switch to initiate the timing sequence.

Recycle Time:

0.1 Seconds

Temperature:

-28° to 65°C (-20° to 150°F)

Transient Protection:

10,000 volts for 20 microseconds

Output Contacts:

10A Resistive @ 240VAC/30VDC,
1/3HP @ 240VAC

Life:

Mechanical: 7,000,000 operations
Full Load: 500,000 operations

Approvals:

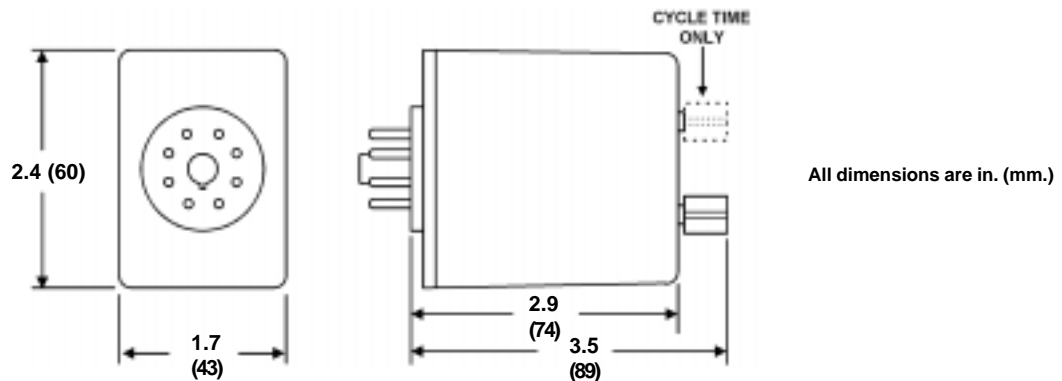


File E109466



File LR45565

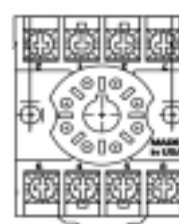
DIMENSIONS



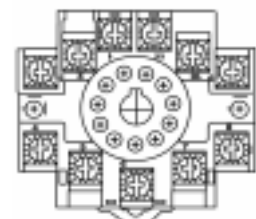
MOUNTING & ACCESSORIES

Macromatic plug-in time delay relays require an octal socket for mounting (see below). Both the 8 pin & 11 pin octal sockets can be mounted to a panel with 2 screws or snapped on a 35mm DIN track. **Electrical Rating:** 10A @ 300VAC. Pressure wire clamps accept 1 or 2 #12-22 wires.

Description	Product Number
8 Pin Octal Socket	70169-D
11 Pin Octal Socket	70170-D
35MM DIN Track (3 ft. length)	70100



70169-D



70170-D



MACROMATIC CONTROLS LLC

6625 W. MILL ROAD, MILWAUKEE, WI 53218 ♦ 414-358-2600 ♦ 800-238-7474 ♦ FAX 414-358-2626