

**DPDT, 10 AMPS**

**THE CLASS 211 TIME DELAY RELAY  
MAKES USE OF HYBRID CIRCUITRY,  
COMBINING INTEGRATED CIRCUITS  
FOR A MULTITUDE OF TIMING FUNCTIONS,  
AND THE RELIABILITY OF RELAY TECHNOLOGY.**

**UL** **us**  
UL Recognized  
File No. E43641



**UL** LISTED  
367G

WHEN USED  
WITH SOCKETS  
70-464-1 (8 PIN)  
70-465-1 (11 PIN)



COMPLIES WITH REQUIREMENTS OF

- \* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE
- \* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION
- \* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

## GENERAL SPECIFICATIONS

### TIMING

Operating Modes Available:	On delay, off delay, Interval, one shot
Timing Adjustments Available:	0.1 to 120 minutes
Repeatability (Repeat Accuracy when Stabilized):	$\pm 0.1\%$ max. or $\pm 33$ mS AC min. or $\pm 10$ mS DC. min. @ constant voltage & temperature
Timing Change Over Temperature and Voltage Range:	$\pm 10\%$
Timing Tolerance High End:	- 0 to + 40%
Timing Tolerance Low End :	+ 0 to - 40%
Reset Time:	100 milliseconds max.

### CONTACTS

Contact Rating:	10 amps @ 120VAC / 30VDC resistive load, 1/2 Hp @ 240 VAC, 1/3 Hp @ 120 VAC, NEMA B300 pilot duty
Contact Life:	200,000 operations @ 120VAC, 10 amps resistive load 1,000,000 operations @ 120 VAC, 5 amps resistive load 2,000,000 operations @ 120VAC, 2 amps resistive load
Mechanical Life:	10,000,000 operations

### INPUT

Operating Voltage Range:	AC: 85 % to 110 %, DC: 80 % to 110 % of nominal
Temperature range (Operate):	- 30 °C to + 55 °C
Temperature range (Storage):	- 55 °C to + 85 °C
Steady State Input Current:	80 mA @ 24 VAC, 20 mA @ 120 VAC, 15 mA @ 230 VAC, 80 mA @ 12 VDC, 50 mA @ 28 VDC, 30 mA @ 48 VDC

### PROTECTION

Reverse Polarity:	Yes - DC
Transient:	UL 508 surge test: 5000V for 50 uS
Noise Immunity:	NEMA ICS2-230 2500 VAC

### DIELECTRIC STRENGTH

Coil to Contacts:	1500 V rms
Across Open Contacts:	1000 V rms

### MECHANICAL

Operating Position:	Any
Enclosure:	Polycarbonate dust cover
Mounting:	Standard 8 or 11 pin octal
Weight:	115 grams approx

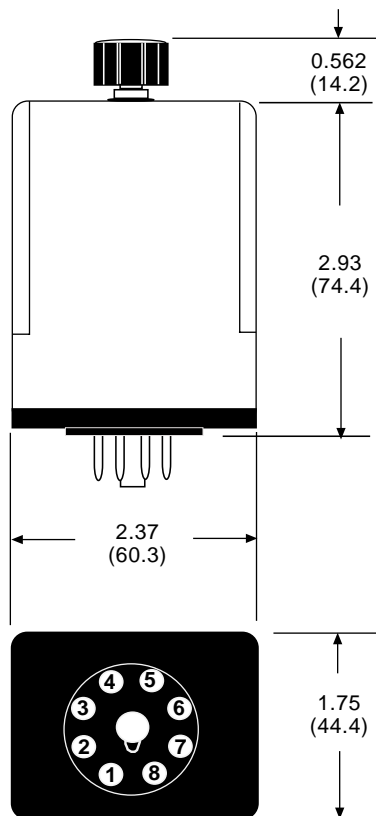


**Mating Sockets**  
**70-750D8-1, 70-750D11-1,**  
**70-464-1, 70-465-1: SCREW/DIN**  
**70-169-1, 70-170-1: SCREW/PANEL**  
**See section 8, page 7 - 12**

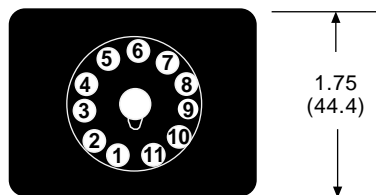
**DPDT, 10 AMPS**

## OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



8 PIN OCTAL



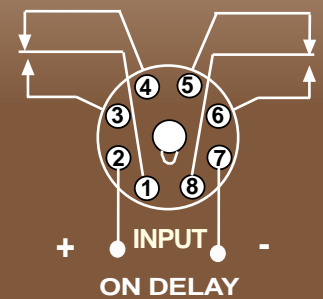
11 PIN OCTAL

**ON-DELAY**

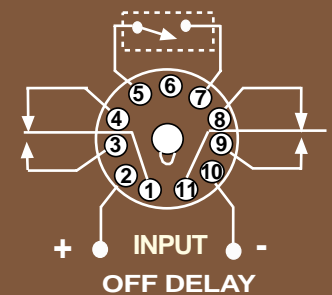
**OFF-DELAY**



## WIRING DIAGRAMS



## EXTERNAL CONTROL SWITCH



EXTERNAL SWITCH SHALL NOT BE CONNECTED TO ANY EXTERNAL LOAD OR VOLTAGE. DAMAGE TO INTERNAL COMPONENTS CAN OCCUR.

STANDARD PART NUMBERS	NOMINAL INPUT VOLTAGE	TIMING RANGE
<b>ON DELAY</b>		
W211ACPSOX-18	120 VAC	0.1 TO 1.0 SECONDS
W211ACPSOX-5	120 VAC	0.1 TO 10 SECONDS
W211ACPSOX-7	120 VAC	1.0 TO 180 SECONDS
W211ACPSOX-8	120 VAC	2.0 TO 300 SECONDS
W211ACPSOX-60	120 VAC	1.0 TO 15 MINUTES
W211ACPSOX-61	120 VAC	2.0 TO 30 MINUTES
W211ACPSOX-62	120 VAC	4.0 TO 60 MINUTES
W211ACPSOX-63	120 VAC	8.0 TO 120 MINUTES
W211CPSOX-1	24 VDC	0.1 TO 10 SECONDS
W211CPSOX-3	24 VDC	1.0 TO 180 SECONDS
<b>OFF DELAY</b>		
W211ACPSRX-5	120 VAC	0.1 TO 10 SECONDS
W211ACPSRX-7	120 VAC	1.0 TO 180 SECONDS
W211ACPSRX-8	120 VAC	2.0 TO 300 SECONDS
W211ACPSRX-60	120 VAC	1.0 TO 15 MINUTES
W211CPSRX-1	24 VDC	0.1 TO 10 SECONDS
W211CPSRX-3	24 VDC	1.0 TO 180 SECONDS