



**Multifunction
Multiple Time Ranges**

The 1090 features 8 programmable timing functions. An auto-calibrating dial provides direct reading of time setting in each of 16 programmable time ranges from 0.1 seconds to 500 hours. Operating voltage options cover 12VDC to 240VAC. LED indicators for Power and Contact status.

ORDERING DATA

ORDERING CODE 1090 - 3 - P - 3 - B - 1 - 1

BASIC MODEL NUMBER

1090

INPUT VOLTAGE

- 1 120-240 VAC
- 3 24 VAC/DC
- 5 12 VDC

TIME RANGE

P (Includes the following ranges)

seconds	minutes	hours	10 hours
0.1 to 1.0	0.1 to 1.0	0.1 to 1.0	1.0 to 10
0.5 to 5.0	0.5 to 5.0	0.5 to 5.0	5.0 to 50
1.0 to 10	1.0 to 10	1.0 to 10	10 to 100
5.0 to 50	5.0 to 50	5.0 to 50	50 to 500

TIMING FUNCTION

- 3 Programmable, includes On Delay, Off Delay, Repeat Cycle Off Start, Repeat Cycle On Start, Pulse One-shot, One-shot On/Off, One-shot Off/On and One Cycle Maintained Interval

OUTPUT

B Relay DPDT

TERMINATION

- 1 11 pin plug-in base
- 2 Screw terminals

DEGREE OF PROTECTION

- 1 IP50 Standard
- 2 IP65 Sealed unit(special order only)

APPLICABLE ACCESSORIES

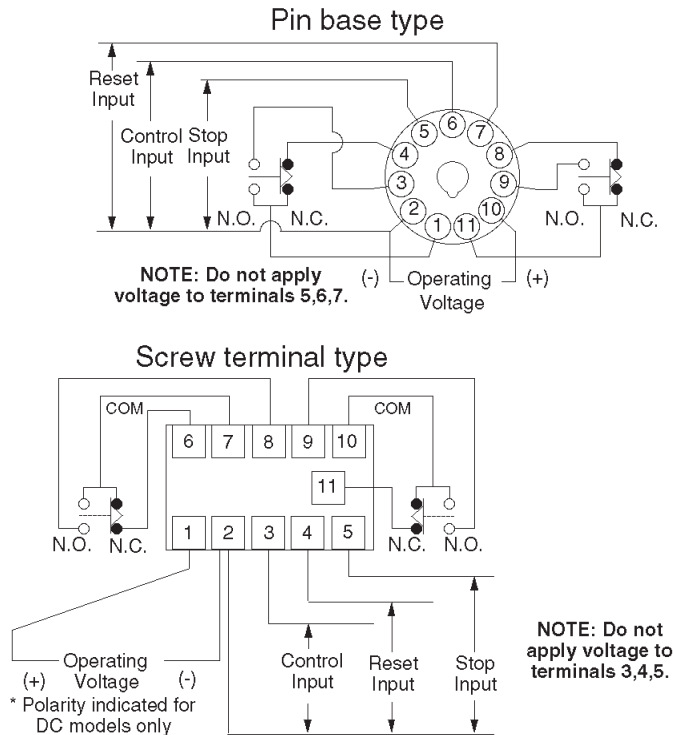
See accessory section for details

11 pin socket	RP-322
11 pin cable socket	RP-324
Panel mount clip	RP-325
Stop rings	RP-327

SPECIFICATIONS

INPUT	VOLTAGE: 100-240 VAC, 24 VAC/DC, 12VDC
	FREQUENCY: 50/60 Hz (AC models)
	TOLERANCE (VOLTAGE): - 15% to + 10% of nominal
	POWER CONSUMPTION: 10VA (100-240 VAC) 2.5VA (24 VAC) 2W (12 VDC & 24VDC)
TRANSIENT PROTECTION: MOV	
OUTPUT	TYPE: Electromechanical relay
	MECHANICAL LIFE: 20,000,000 operations
	ELECTRICAL LIFE: 100,000 operations minimum (at full rated load)
	RATING: 5A @ 240VAC (resistive)
TIMING	TYPE: Multifunction programmable (On Delay, Off Delay, Repeat Cycle Off Start, Repeat Cycle On Start, Pulse One-shot, One-shot On/Off, One-shot Off/On and One Cycle Maintained Interval)
	REPEAT ACCURACY: ± 0.3% of setting
	TIMING RANGE: 0.1 secs to 500 hours in 16 ranges
	RESET TIME: 100 msec minimum
PHYSICAL	OPERATING TEMP: -10° to 50° C (14° to 122°F)
	TIMING VARIATION VS. TEMP: ± 2% maximum
	MOUNTING: Plug-In or Panel mount
	TERMINATION: 11 pin socket or screw terminals
	HOUSING: Polycarbonate DEGREE OF PROTECTION: IP50(std), IP65(special)

WIRING



Control, Reset and Stop input is accomplished by isolated contact closure between indicated terminals.

DIMENSIONS Inches (millimeters)

Same dimensions as 1081 on previous page