



Kanson Electronics, Inc.

# INDUSTRIAL SOLID STATE TIMER

## MODEL 1081 DIN PANEL MOUNT

### SPECIFICATIONS

**VOLTAGE:** 100-120VAC, 200-240VAC, 24VAC, 24VDC, 12VDC

**INPUT**  
**FREQUENCY:** 50/60 Hz (AC models)  
**TOLERANCE (VOLTAGE):** - 15% to +10% of nominal  
**POWER CONSUMPTION:** 5VA (AC models)  
2W (DC models)  
**TRANSIENT PROTECTION:** MOV

**OUTPUT**  
**TYPE:** Electromechanical relay  
**MECHANICAL LIFE:** 10,000,000 operations  
**ELECTRICAL LIFE:** 100,000 operations minimum  
(at full rated load)  
**RATING:** 3A @ 240VAC (resistive)

**TIMING**  
**TYPE:** True Off Delay  
**REPEAT ACCURACY:** ± 0.3% of setting  
**TIMING RANGE:** 0.04 secs to 10 secs or  
0.04 min to 10 min  
**RESET TIME:** 100 msec at maximum time setting

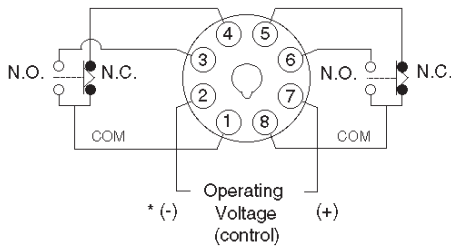
**PHYSICAL**  
**OPERATING TEMP:** -10° to 50° C (14° to 122°F)  
**TIMING VARIATION VS. TEMP:** ± 2% maximum  
**MOUNTING:** Plug-In or Panel mount  
**TERMINATION:** 8 pin socket  
**HOUSING:** Polycarbonate  
**DEGREE OF PROTECTION:** IP50(std), IP65(special)



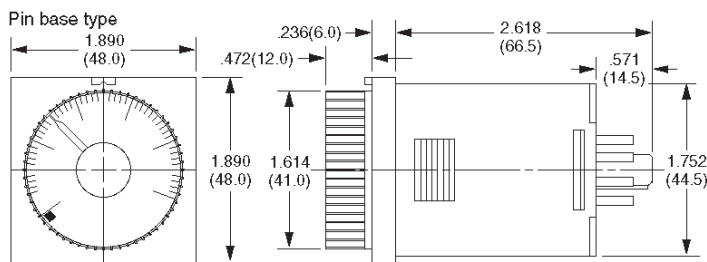
**True Off Delay**

**The 1081 is a true off delay.** Removal of input power actuates timing sequence eliminating the need for a separate control circuit. Two timing range options provide operation from 0.04 seconds to 10 minutes. Auto-calibrating dial provides direct reading of time setting in every range. A wide range of operating voltage options support operation from 12VDC to 240VAC, an LED indicates power is applied.

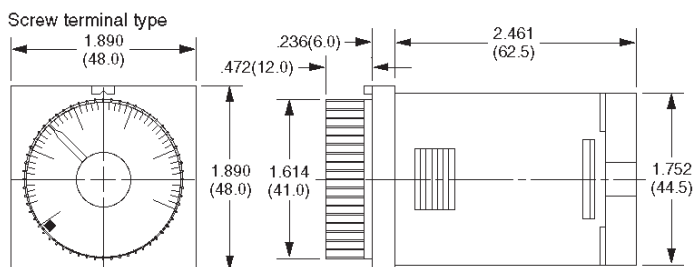
### WIRING



### DIMENSIONS Inches (millimeters)



**NOTE: 1081 is not available with screw terminals, dimensions shown for 1090 only**



### ORDERING DATA

**ORDERING CODE** 1081 - 2 - A - 2 - B - 1

**BASIC MODEL NUMBER**

1081

**INPUT VOLTAGE**

- 1 120 VAC
- 2 240 VAC
- 3 24 VAC
- 4 24 VDC
- 5 12 VDC

**TIME RANGE**

A (Includes the following ranges)

- 0.04 sec - 1 sec
- 0.2 sec - 5 sec
- 0.4 sec - 10 sec

B (Includes the following ranges)

- 0.04 min - 1 min
- 0.2 min - 5 min
- 0.4 min - 10 min

**TIMING FUNCTION**

- 2 Off delay

**OUTPUT**

- B Relay DPDT

**DEGREE OF PROTECTION**

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

**APPLICABLE ACCESSORIES**

- See accessory section for details
- 8 pin socket RP-320
  - 8 pin reversible socket RP-321
  - 8 pin cable socket RP-323
  - Panel mount clip RP-325
  - Stop rings RP-327