



Kanson Electronics, Inc.

# INDUSTRIAL SOLID STATE TIMER

## MODEL 1013U BASE MOUNT

### SPECIFICATIONS

INPUT

**VOLTAGE:** 120VAC  
**FREQUENCY:** 50/60 Hz  
**TOLERANCE (VOLTAGE):** ± 15% of nominal  
**POWER CONSUMPTION:** 10 VA maximum  
**TRANSIENT PROTECTION:** Isolation transformer

OUTPUT

**TYPE:** Electromechanical relay  
**RATING:** 10A @ 240VAC maximum

TIMING

**AVAILABLE TYPES:** On delay, Off delay,  
Normally Open, Normally Closed (Selectable)  
**REPEAT ACCURACY:** ± 1% of setting  
**RESET TIME:** 50 msec minimum  
**INDICATION:** 1013 - LED, ON when timing  
**TIMING RAMP:** 0.02 sec minimum time - 100kΩ/sec  
0.5 sec minimum time - 10kΩ/sec  
**TIME RANGE:** 0.02 to 250 secs in 12 ranges  
**RANGE TOLERANCE:** ≤ 10%  
**CONTROL:** Isolated contact closure  
**VOLTAGE PRESENT AT CONTROL TERMINALS:**  
24VDC minimum, 40VDC maximum

PHYSICAL

**OPERATING TEMP:** -32° to 71° C (-25° to 160°F)  
**TIMING VARIATION VS. TEMP:** ± 5% maximum  
**MOUNTING:** Base mount  
**TERMINATION:** Terminal block on face of timer  
**HOUSING:** Metal

### ORDERING DATA

|                           |   |
|---------------------------|---|
| <b>ORDERING CODE</b>      | <b>1013U - 1 - L - 3 - C</b>                                    |
| <b>BASIC MODEL NUMBER</b> | 1013U   |
| <b>INPUT VOLTAGE</b>      | 1 120VAC  |
| <b>TIME RANGE (Secs)</b>  | E 0.02-2.5<br>H 0.3-30<br>L 0.5-250                             |
| <b>TIMING FUNCTION</b>    | 3 Selectable  |
| <b>OUTPUT</b>             | C Relay 1 N.O. or 1 N.C., 1.5 amp AC<br>Instant contacts (SPDT) |

### APPLICABLE ACCESSORIES

See accessory section for details  
Potentiometers RP-201 thru RP-210



**On Delay  
Off Delay  
Normally Open  
Normally Closed  
(selectable)**

**Ease of Use Design** and selectable output makes this unit extremely flexible. This unit optically isolated control circuit operates at 120 VAC and has transient protection to 1500 volts.

### WIRING

#### OUTPUT C

- L1-L2 Voltage input (constant)
- P1-P2 Control (starts timing function)
- 1-2 N.O. instant
- 2-3 N.C. instant
- S (selectable) timed

### DIMENSIONS Inches (millimeters)

