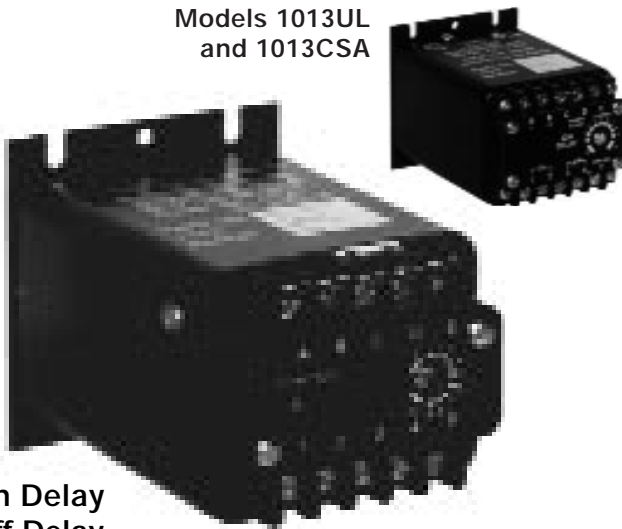


**MODEL 1013
BASE MOUNT**

**INDUSTRIAL SOLID STATE
TIMER**

issc[®]
KANSON ELECTRONICS, INC.

Models 1013UL
and 1013CSA



**On Delay
Off Delay
Pulsed Interval
Maintained Interval**

Model 1013

All-Purpose Design is economical and useful in a variety of industrial applications.

UL File No. E50957

CSA File No. LR92815

ORDERING DATA

ORDERING CODE 1013 - 1 - G - 1 - B

BASIC MODEL NUMBER

- 1013
- 1013UL
- 1013CSA

INPUT VOLTAGE

- 1 120VAC

TIME RANGE (Secs)

- | | | |
|-------------|-------------|--------------|
| A 0.06-0.10 | F 0.06-5.0 | L 0.5-250 |
| B 0.06-0.25 | G 0.06-10.0 | M 0.5-500 |
| C 0.06-0.50 | H 0.06-25.0 | W Fixed time |
| D 0.06-1.0 | J 0.5-50.0 | (see note) |
| E 0.06-2.5 | K 0.5-100 | |

NOTE: Specify W and desired fixed time.
Factory will set time within 5%

TIMING FUNCTION

- | | |
|-------------|-------------------------|
| 1 On delay | 4 Pulsed interval |
| 2 Off delay | * 5 Maintained interval |
- *Not available on UL or CSA units

OUTPUT

- B Relay 1 N.O. 1 N.C.
- B1 Relay 2 N.O.
- B2 Relay 2 N.C

OPTION (1013UL/CSA only, now included on 1013 units)

- OP6 Timing indication light.

APPLICABLE ACCESSORIES

See accessory section for details

- Potentiometers RP-201 thru RP-210
- Reference dial RP-216

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, Pulsed interval, Maintained interval
- REPEAT ACCURACY: ± 1% of setting
- RESET TIME: 50 msec minimum
- INDICATION: 1013 - LED, ON when timing
1013UL/1013CSA - Optional incandescent light, ON when timing (off delay - light ON when output energized)
- TIMING RAMP: 0.06 sec minimum time - 100kΩ/sec
0.5 sec minimum time - 10kΩ/sec
- TIME RANGE: 0.06 to 500 secs in 12 ranges
- RANGE TOLERANCE: ≤ 10% at max., ≤ 0% at min.
- CONTROL: Isolated contact closure
- CONTROL TERMINALS: E-F
- VOLTAGE PRESENT AT CONTROL TERMINALS:
24VDC minimum, 40VDC maximum

PHYSICAL

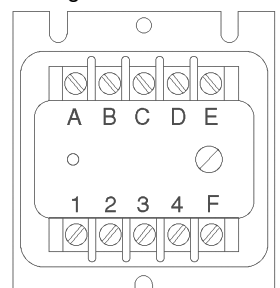
- OPERATING TEMP: 0° to 50° C (32° to 120° F)
- TIMING VARIATION VS. TEMP: ± 5% maximum
- MOUNTING: Base mount
- TERMINATION: Terminal block on face of timer
- HOUSING: Metal

WIRING

- OUTPUT B, B1, B2
- A-B Voltage input (constant)
 - C-D Remote adjust (jumper if not used)
 - E-F Control (starts timing function)
 - 1-2 N.O. timed (except B2, N.C.)
 - 3-4 N.C. timed (except B1, N.O.)

Caution: Never apply voltage to terminals C-D-E-F

Wiring Terminal Location



DIMENSIONS Inches (millimeters)

1013 and 1013UL mounting dimensions are identical, Model 1013 shown

