

**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 CSA units

**OUTPUT**

- B Relay 1 N.O. 1 N.C.

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

**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%
- 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

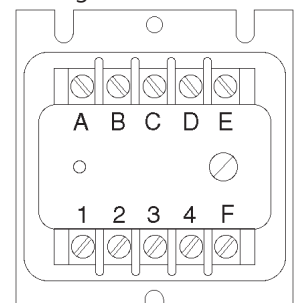
**WIRING**

**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

