



Off Delay
Pulsed Interval
Maintained Interval

The **Reliable 1018** is a general purpose off delay timer. The standard unit can be converted to operate in pulsed interval timing function, or it can be ordered with option 13 to operate in the maintained interval timing function.
Small, Plug-in Unit saves space and installation time.

UL File No. E50957

ORDERING DATA

ORDERING CODE **1018 - A - 1 OP13**

BASIC MODEL NUMBER

1018

TIME RANGE (Secs)

- | | |
|------------|------------|
| A 0.06-1.0 | L 0.06-2.5 |
| B 0.5-10.0 | M 0.5-25.0 |
| C 5-100 | N 0.5-50.0 |
| D 5-250 | R 0.06-5.0 |
| E 5-500 | S 0.12-1.0 |
| J 5-1000 | |

OUTPUT

- 1 Relay DPDT (11 pin plug std, 8 pin for OP13)
- 2 Relay SPDT w/remote adjust (11 pin plug)

OPTION (If desired)

OP1 (Omit potentiometer from unit) Is now standard on the model 1018 with output 2.

OP4 24VAC/DC input

OP13 Maintained interval timing function - Type 5 (Only available with 8 pin plug and output 1)

APPLICABLE ACCESSORIES

See accessory section for details

- | | |
|--------------------|----------------------------|
| Potentiometers | RP-204, RP-207 thru RP-210 |
| Reference dial | RP-216 |
| Locking attachment | RP-217 |
| 8 pin socket | RP-302 |
| 11 pin socket | RP-303 |
| Hold down clip | RP-305 |

SPECIFICATIONS

INPUT

VOLTAGE: 120VAC/DC, 24VAC/DC
FREQUENCY: 50/60 Hz or DC
TOLERANCE (VOLTAGE): ± 10% of nominal
POWER CONSUMPTION: 3 VA maximum
TRANSIENT PROTECTION: MOV

OUTPUT

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

TIMING

TYPES: Off delay, Pulsed interval*, Maintained interval
REPEAT ACCURACY: ± 1% of setting or 8 msecs, whichever is greater.
RESET TIME: 50 msec minimum - Types 2 & 4, 100 msec minimum - Type 5
INITIATE TIME: 5 ms minimum - Types 2 & 4 only
INDICATION: LED - ON when timing
TIMING RAMP: 0.06 sec minimum time - 1MΩ/sec
0.5 sec minimum time - 100kΩ/sec
5 sec minimum time - 10kΩ/sec
TIME RANGE: 0.06 to 1000 secs in 10 ranges
RANGE TOLERANCE: ≤ 30% at maximum, ≤ 0% at minimum
CONTROL: Isolated contact closure
CONTROL TERMINALS: 5-6 (Types 2 and 4) 2-7 (for option 13 - Type 5)
VOLTAGE PRESENT AT CONTROL TERMINALS:
70VDC (120VAC/DC - Types 2 and 4)
30VDC (24VAC - Types 2 and 4)
24VDC (24VDC - Types 2 and 4)
Same as input voltage (Type 5)
*Shipped as an off delay. Remove jumper clip (see dimensions) to convert to pulsed interval

PHYSICAL

OPERATING TEMP: 0° to 50° C (32° to 120°F)
TIMING VARIATION VS. TEMP: ± 5% maximum or 8 msec, whichever is greater (up to 500 secs)
MOUNTING: Plug-in
TERMINATION: 8 or 11 pin socket
HOUSING: Plastic

WIRING

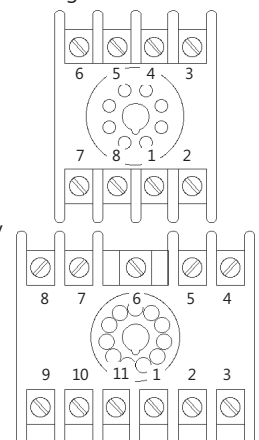
OUTPUT 1

- 2-10 Voltage input (constant)
- 1-3 N.O. timed
- 1-4 N.C. timed
- 11-9 N.O. timed
- 11-8 N.C. timed
- 5-6 Control
- 7 Not used

OUTPUT 2

- 2-10 Voltage input (constant)
- 1-3 N.O. timed
- 1-4 N.C. timed
- 8-9 Remote adjust
- 5-6 Control
- 7-11 Not used

Wiring Terminal Location



Caution: Never apply voltage to 5-6

Caution: Never apply voltage to 5-6-8-9

OPTION 13 (output 1 only)

- Maintained interval 1-4 N.C. timed
- 2-7 Voltage input (control) 8-5 N.C. timed
- 8-6 N.O. timed
- 1-3 N.O. timed

DIMENSIONS Inches (millimeters)

