



Kanson Electronics, Inc.

INDUSTRIAL SOLID STATE TIMER

MODEL 1014 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: Two electromechanical relays
RATING: 10A @ 240VAC maximum

TIMING

AVAILABLE TYPES: On delay, Off delay
REPEAT ACCURACY: ± 1% of setting
RESET TIME: 50 msec minimum
INDICATION: LED, ON when timing
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 or
AC proximity sensor
CONTROL TERMINALS: A-C
VOLTAGE PRESENT AT CONTROL TERMINALS:
Same as input voltage

PHYSICAL

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

WIRING

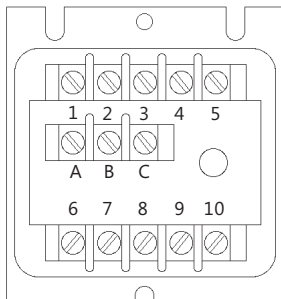
OUTPUT A

A-B Voltage input 3-4 N.O. instant
(constant) 4-5 N.C. instant
A-C Control 6-7 N.O. timed
(starts timing) 7-8 N.C. timed
1-2 Remote adjust 9-10 N.O. timed
(jumper if not used)

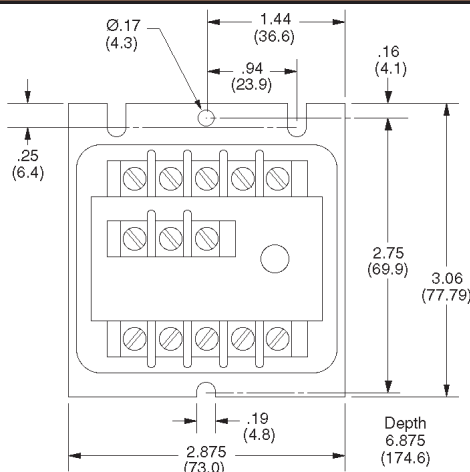
OUTPUT B

A-B Voltage input 2-3 N.C. instant
(constant) 4-5 N.O. instant
A-C Control 6-7 N.O. timed
(starts timing) 7-8 N.C. timed
1-2 N.O. instant 9-10 N.O. timed

Wiring Terminal Location



DIMENSIONS Inches (millimeters)



**On Delay
Off Delay**

Instant Contacts simplify the timing control circuit. A separate relay, which operates in conjunction with the input power switch or control device, can be used to operate a separate control function. Timing function controls timing relay.

AC Control Circuit is compatible with both standard mechanical switches and solid state proximity sensors.

UL File No. E50957

ORDERING DATA

ORDERING CODE 1014 - 1 - F - 2 - B

BASIC MODEL NUMBER

1014

1014UL

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
2 Off delay

OUTPUT

A Instant Relay 1 SPDT
Timed Relay 1 SPDT, 1 N.O.
B Instant Relay 1 SPDT, 1 N.O.
Timed Relay 1 SPDT, 1 N.O.

{ includes remote
adjust connections

APPLICABLE ACCESSORIES

See accessory section for details

Potentiometers RP-201 thru RP-210
Reference dial RP-216
Locking attachment RP-217