THS-1 Series:

- ◆ Solid State Output
- ◆ Encapsulated 2" x 2" enclosure, panel mounted with one bolt or screw
- ◆ Single Function - Select from 15 Single Time or Dual Time (ON-OFF)
- ◆ Microprocessor-based design for greater performance and maximum flexibility
- ◆ Solid-state output rated 1A continuous/10A inrush is ideal for high cycle rate and long life applications
- ◆ Built-in load suppression eliminates need for separate protection
- ◆ Pilot duty rating

c（UL）us   CE

Single-function, solid state relays operate reliably with good accuracy in harsh environments.

THS-1 Series

SOLID STATE OUTPUT FOR HIGH CYCLE RATE AND LONG LIFE

THS-1 Series are solid state Time Delay Relays in a compact 2" x 2" enclosure. Encapsulation makes them resistant to the effects of harsh environments.

Setting the time delay is easy using the adjustable potentiometers. The microprocessor-based design provides good performance and maximum versatility.

These relays have three time delay options: on-board adjustable, on-board fixed, or remote adjustable settings.

TYPICAL MODEL CODE

THS-1 Series

Family	Function	Output Configuration	Control Voltage	Time Ranges	Standard Modifications

THS-1	Time Delay

4	1A Normally Open (Solid State)

SINGLE TIME

02	On Delay
05	Interval On
08	Flasher (Off 1st)
09	Flasher (On 1st)
12	On Delay (Switch Trigger)
13	Watchdog (Switch Trigger)
15	Single Shot (Switch Trigger)
16	Off Delay (Switch Trigger)
22	Single Shot Falling Edge (Switch Trigger)

DUAL TIME (ON-OFF)

31	Repeat Cycle (OFF 1st)
41	On Delay / Off Delay (Switch Trigger)
51	Repeat Cycle (On 1st)
61	Delayed Interval
65	Delayed Interval (Switch Trigger)

Dual Time functions come with same ON & OFF time ranges as standard. Can be ordered in combinations of Standard or Fixed time ranges. See www.macromatic.com/onoff for details.

A	24 - 240V AC
D	12 -125V DC

-02	0.01 - 1 second	-36	10 - 1,000 seconds
-04	0.05 - 5 seconds	-32	0.1 - 10 minutes
-30	0.1 - 10 seconds	-15	0.3 -30 minutes
-07	0.3 - 30 seconds	-16	0.6 - 60 minutes
-08	0.6 - 60 seconds	-33	1 - 100 minutes
-31	1 - 100 seconds	-37	10 - 1,0000 minutes
-09	1.2 - 120 seconds	-17	1.2 - 120 minutes
-10	1.8 - 180 seconds	-34	0.1 - 10 hours
-12	3 - 300 seconds	-35	1 - 100 hours
-F	Fixed Time Range (i.e., F5S for Fixed 5 seconds)		

REMOTE POTENTIOMETER

R1	100K (Std.)
R7	1M
R9	2M
T	Control Switch Connected to Pin 2 (applies to functions 12, 13, 15, 16, 22, 41, & 65 only)
Z	Bulk Packaging

All combinations of -R and -T are allowed where appropriate with the function as described above except as noted by each modification.