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RESET TIMERS

RESET TIMER
RT SERIES

The RT series is a microprocessor based Reset Timer that delivers reliable and accurate timing for critical applications. The compact 2" x 2" housing installs with a single bolt through the center mounting hole. This design saves panel space and installation time compared to many traditional Reset Timers.

Operation: Upon application of control voltage, the time delay (t) begins. If a reset signal is applied during time delay (t), the time delay (t) is reset. At the end of time delay (t), the output relay is energized and the N.C. contact opens. If a reset signal is applied after time delay (t) has elapsed, time delay (t) is reset and relay output is de-energized. Upon removal of the reset signal either during time delay (t) or after the time delay (t) has elapsed, the time delay (t) is reset to zero. The timer uses the NC contact which opens on timeout. The time delay (t) and relay status are retained using non-volatile memory in the event of a power loss using the RESET function. The RESET(NO MEMORY) function operates in the same manner except that time delay (t) and relay status are not retained in the event of a power loss.

- ◆ Compact design saves panel space
- ◆ Encapsulated for harsh environments
- ◆ Easy surface mount installation with a single bolt or screw
- ◆ Convenient termination with .25" quick connect terminals
- ◆ Retains timing sequence in the event of power loss (optional)
- ◆ LED indication for timing and relay status
- ◆ Variety of time ranges
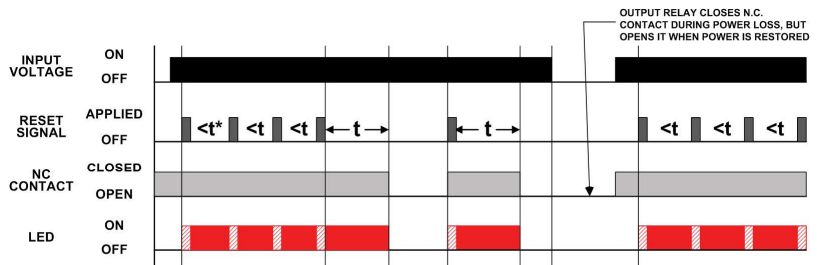- ◆ Onboard potentiometer for easy time delay adjustment

OUTPUT RELAY CLOSES N.C. CONTACT DURING POWER LOSS, BUT OPENS IT WHEN POWER IS RESTORED

*   If input voltage is lost during the time delay period (t), the timer will remember the accumulated time and continue the time delay from that point when power is restored.

FUNCTION	CONTROL VOLTAGE	CATALOG NUMBER	WIRING
RESET (MEMORY)	120V AC	RT26A-**	
	240V AC	RT16A-**	
RESET (NO MEMORY)	120V AC	RT26B-**	
	240V AC	RT16B-**	DIAGRAM 353

Timing Range

Complete product Catalog Number using a two-digit Time Delay Range code from the table, right. For example, RT26A-04 for a time delay adjustment range of 0.5 to 5 seconds.

Time Delay Range	Code
0.5 - 5 seconds	04
0.1 - 10 seconds	05
0.3 - 30 seconds	07
0.6 - 60 seconds	08
1.2 - 120 seconds	09
1.8 - 180 seconds	10
3 - 300 seconds	12
0.3 -30 minutes	15
0.6 - 60 minutes	16
1.2 - 120 minutes	17
0.1 - 10 minutes	22

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Application Data

Voltage Tolerance:
AC Operation: +10/-15% of nominal at 50/60 Hz

Load (Burden):   Maximum of 2 VA for all voltages

Setting Accuracy:
Maximum Setting: +5%, -0%
Minimum Setting: +0%, -50%

Repeat Accuracy: (constant voltage and temperature)
 +/-0.1% or +/- 0.04 seconds, whichever is greater

Reset Time: 100ms

Start-up Time: (Time from when power is applied until unit is timing): 0.05 Seconds

Maintain Function Time: (Time unit continues to operate after power is removed): 0.01 Seconds

Minimum Required Trigger Switch Closure Time: 50 ms

Temperature:
Operating: -28° to 65°C (-18° to 149°F)
Storage: -40° to 85°C (-40° to 185°F)

Output Contacts:
10A @ 240VAC / 7A @ 28VDC SPNO, 1/4hp @ 120VAC (N.O.)

Life:
Mechanical: 10,000,000 operations
Full Load: 100,000 operations

Mounting:
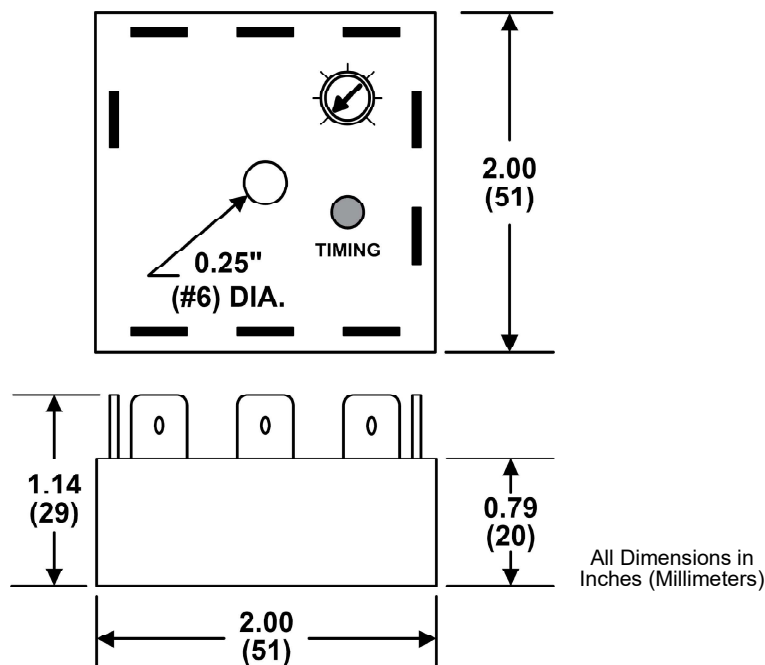Surface with one #8 or #10 screw or on 35mm DIN rail with Macromatic P/N 70500

Termination:
0.25" male quick-connect terminals

Approvals: c UL us   CE
file# E109466

MADE IN THE USA

Dimensions

2.00 (51)

0.25" (#6) DIA.

TIMING

1.14 (29)

0.79 (20)

2.00 (51)

All Dimensions in Inches (Millimeters)

DIN Rail Adaptor Kit
Catalog Number 70500

Quick & Economical Way to Install Any THx Series
2" x 2" Encapsulated Time Delay Relays on 35mm
DIN Rail

◆ Clip Comes with a Threaded Hole to Eliminate
   Need for a Washer & Nut
◆ All Mounting Hardware Included
◆ Recommended Tightening Torque of 8 in-lbs.

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Macromatic Industrial Controls, Inc. designs and manufactures control, monitoring and protection products to manage your electrical processes and to protect your equipment from damaging fault conditions.

With a 45-year legacy of high-quality products and outstanding customer service, we continue to introduce innovative solutions that help our customers be more productive and efficient.

Our design and application experience makes it easy to find cost-effective advantages for your applications.

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