REGENT'S

TM101-32

DC REPEAT CYCLE TIMER

Features

- 2 mode repeat cycle timer: On-Off-On or Off-On-Off.
- Complete isolation between line, load, and logic circuits.
- Compact size. DIN rail or panel mount.
- LED load and logic indicators.
- Regent's 2 Year Warranty.

Ideal for:

- ► Carton gluing
- ► Case sealing
- ► Life cycle testing
- ► Pump control
- ► Indexing
- ► Vibratory feed

The *TM101-32* is the ideal timer to cycle DC loads off and on. The timer can be configured for ON-OFF-ON or OFF-ON-OFF operation.

This timer is ideal for applications requiring fast, repeatable timing. Built-in dials or optional remote adjustment makes setting time delays easy.

The solid-state output switch features a fast flux decay circuit for quick turn-off of inductive loads.

PART NUMBER BUILDER

TM101 D 10/10 S – 32

- Control Logic
  - ***32*** for DC logic
- ***S*** = Seconds
  M = Minutes
  H = Hours
- Time Range Right Dial (T2)
- Time Range Left Dial (T1)
- Time Adjust Feature
  D = Integrated Dial
  R = Remote Potentiometer (ordered separately)
  F = Fixed Internally at factory
- Series Name

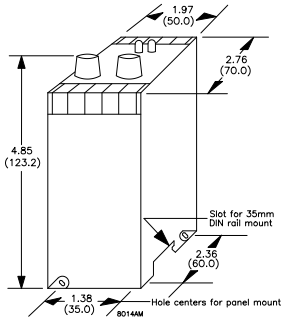
FOR MORE INFORMATION CALL 203-732-6200 **e-mail: sales@regentcontrols.com**

OR VISIT US ONLINE AT www.regentcontrols.com

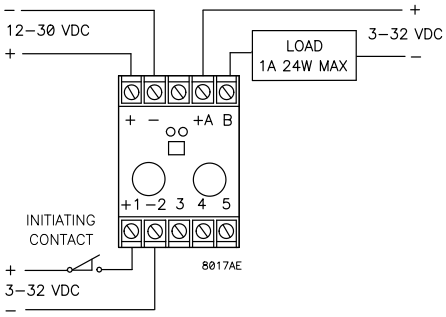
Regent's *TM101-32*

DC Repeat Cycle Timer

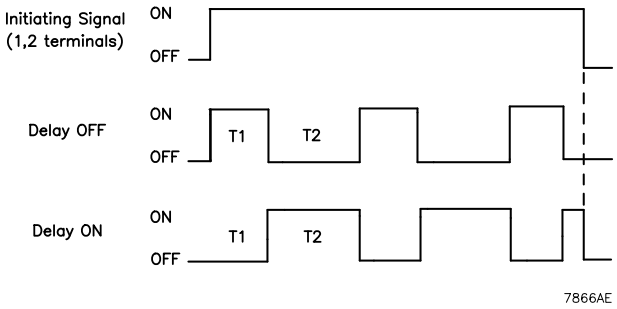
DIMENSIONS



WIRING DIAGRAM



TIMING DIAGRAM



OPERATION (refer to TIMING DIAGRAM)

1. Set desired time period for T1 on left dial and T2 on right dial.

   With DELAY switch OFF, the timer is connected for ON-OFF-ON operation.
   With DELAY switch ON, the timer is connected for OFF-ON-OFF operation.

2. When the initiating contact closes, timing begins. As long as the initiating contact remains closed, the timer will repeat cycle. When the contact opens, the load will de-energize and the timer will reset.

NOTES

1. Specify Remote option ('R' time adjust feature, see part number builder) if time adjustment potentiometers are to be mounted away from timer. Remote option can be supplied on both time ranges (T1 and T2) or on one side only.
   Connect remote T1 potentiometer to terminals 3,4.
   Connect remote T2 potentiometer to terminals 4,5.
2. Right LED is ON when solid-state output A,B is ON.
   Left LED is ON when initiating signal is present on 1,2.
3. Signal applied to start timing (1,2 terminals) can be sourcing (high side) or sinking (low side). Mechanical or solid-state switches can be used.

SPECIFICATIONS	*TM101-32*
Line Input (+,-)	12-30 VDC, 5% ripple max.
Logic Input (1,2)	
Voltage	3-32 VDC
Current	1 mA burden at 3 VDC, 35 mA burden at 32 VDC
Load Rating (A,B)	
Voltage	3-32 VDC
Current	1 A max
Off-state leakage	less than 100 uA
On-state voltage drop	1 VDC max
Minimum load current	less than 1 mA
Recommended fuse	Buss PCB1
Timing	
Time range (minimum time) (other ranges available. T1 & T2 may be different.)	0.1 sec (2 msec) 5 sec (50 msec) 0.5 sec (5 msec) 10 sec (100 msec) 1 sec (10 msec) 50 sec (0.5 sec)
Repeat accuracy	1 msec or +/- 0.25% of dial setting, whichever is greater
Calibration accuracy	+/- 5% of time range
Minimum initiate time	<1 msec
Temperature	0 to 65°C (32 to 149°F)

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