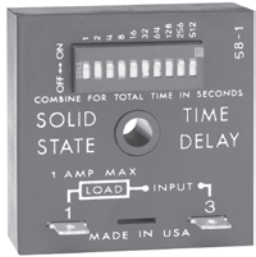


# Delay On Make TDU / TMV Series Universal Voltage Solid State Timing Modules



- 2 Universal Voltage Ranges From 24 ... 240 V AC/DC
- Switch Selectable Delays From 0.1 s ... 2.8 h in 3 Ranges or Factory Fixed
- +/-0.5% Repeat Accuracy
- 1 A Steady - 10 A Inrush
- Totally Solid State and Encapsulated

## TDU Series - Switch Adjustable, Universal Voltage Timers

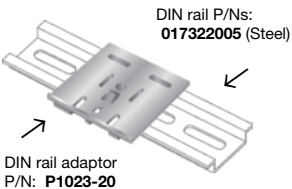
Digi-Set Binary Switch Operation		
0.1 ... 102.3	1 ... 1023	10 ... 10,230
OFF ▶ ON	OFF ▶ ON	OFF ▶ ON
0.1	1	10
0.2	2	20
0.4	4	40
0.8	8	80
1.6	16	160
3.2	32	320
6.4	64	640
12.8	128	1280
25.6	256	2560
51.2	512	5120
6.3 S	544 S	3000 S

The TDU is an encapsulated solid state delay on make timer that combines digital timing circuitry with universal voltage operation. It offers DIP switch adjustment allowing accurate selection of the time delay over the full time delay range. Encapsulation protects against humidity, vibration, and dust making it suitable for outdoor equipment installations. This series is an excellent choice for OEM equipment where fast, positive adjustment, low cost and long life are important.

## Ordering Table

Part Number	Input Voltage	Time Range (seconds)	Repeat Accuracy	Tolerance
TDUL3000A	24 ... 120 AC/DC	0.1 ... 102.3	+/-0.5% or 20 ms whichever is greater	+/-10%
TDUL3001A	100 ... 240 AC/DC	0.1 ... 102.3		
TDU3000A	24 ... 120 AC/DC	1 ... 1023		
TDU3001A	100 ... 240 AC/DC	1 ... 1023		
TDUH3000A	24 ... 120 AC/DC	10 ... 10230		
TDUH3001A	100 ... 240 AC/DC	10 ... 10230		

Complete Product Details:  
<http://www.ssac.com/pp1.htm>



DIN rail P/Ns:  
017322005 (Steel)

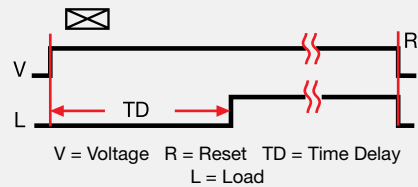
See accessory pages

## Specifications for TDU and TMV

### Operation - TDU / TMV

Upon application of input voltage, the time delay begins. At the end of the time delay, the output energizes and remains energized until input voltage is removed.

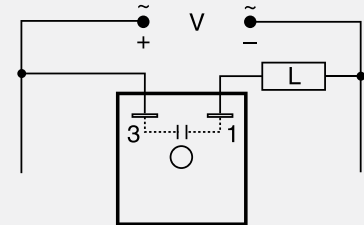
### Function - TDU / TMV



### Technical Data - TDU / TMV

Output	
Type	Solid state
Form	Normally Open, open during timing
Life Span	100 million operations typical
Maximum Load Current	1 A steady state, 10 A inrush at 60°C
Minimum Holding Current	40 mA
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Protection	Encapsulated Circuitry
Termination	0.25 in. (6.35 mm) male quick connect terminals

### Connection - TDU / TMV



Dashed lines are internal connections. Load may be connected to terminal 3 or 1.

## TMV Series - Knob Adjustable, Universal Voltage Timers



The TMV series is a knob adjustable, universal voltage delay on make timer. Encapsulation protects against humidity, vibration, and dust making it suitable for outdoor equipment installations. Because of the large number of applications, it is our most popular 1 amp solid state timing module. Designed to connect in series with a relay coil, contactor coil, solenoid, lamps, small motor, etc., to delay their energization, prevent short cycling or to sequence on various loads.

**Universal timing module** - One part number can be used for all the popular voltages and time delays.

## Ordering Table

Part Number	Input Voltage	Time Range (minutes)	Adjustment	Repeat Accuracy	Tolerance
TMV8000	24 ... 240 V AC/DC	0.1 ... 8 M	Knob	+/- 2%	≤ +/- 10%



- Operates From 24 ... 240 V AC/DC
- Knob or External Adjust Time Delays
- Delays from 0.1 ... 8 m
- Totally Solid State - Encapsulated
- 1 A Steady - 10 A Inrush
- Two Terminal Series Connection with Load