



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Altech Programmable Panel-Mount Digital Multi-Timer

Altech's AMT33 Series of Programmable Panel-Mount Digital Multi-Timers comprises 2 models featuring 33 Timing Functions and 2 separate Outputs with selectable Timing modes for maximum flexibility in automation and control applications. Timing Range is adjustable from 0.1s to 999 days. A Digital 7-Segment shows current Run Time information and Input/Output states.



## FEATURES

- 33 Built-in Timing Functions
- Supply Voltage 110-240 VAC
- 7 Segment Digital LED Display
- 2 Separate Output Channels
- Individually selectable Timing Functions
- Wide Timing Range 0.1s - 999 days
- Compact Design
- Panel & DIN rail (11-pin socket) mount

CAT. NO.	AMT33-S2	AMT33-S2-11
Mounting	Panel Mount	DIN/ 11-pin Socket Mount

## SPECIFICATIONS

### Electrical

Supply Voltage	110-240VAC (-20% to +10%), 50/ 60Hz
Power Consumption	9 VA max.
Timing Range	0.1s - 999 days
Reset Time/ Initiation Time	max. 200ms/ 100ms
Timing Accuracy	+/- 0.01%

### Input

Input Signal	High Range: 85-265VAC/ 100-265DC Low Range: 24-60V AC/DC
Signal Sensing Time	50ms max. (10ms for DC)
Signal Wait Period	100ms @ Power on/ signal based modes
Signal Isolation	2kV

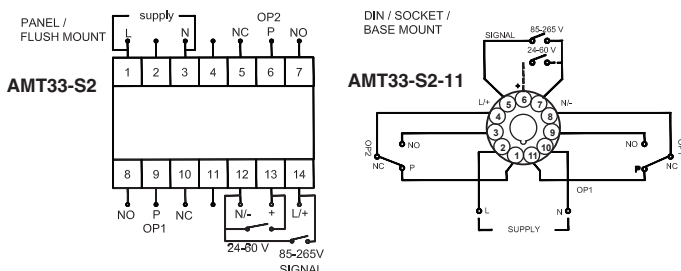
### Output

Output Configuration	2 x SPDT (C/O)
Output Contact Rating	5A (NO), 3A (NC)
Electrical Life	10,000 switching cycles
Mechanical Life	500,000 switching cycles
AC-15 Rating	250VAC/ 2A, cosΦ=0.6, 85°C
DC-13 Rating	Rated Voltage (Ue): 24VDC, Rated Current (Ie): 2.0A

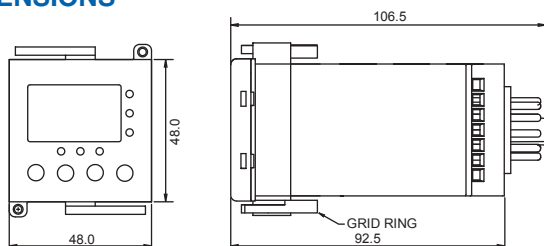
### Material

Operating Temperature	-5°C - 55°C (23°F - 131°F)
Storage Temperature	-10°C - 60°C (14°F - 140°F)
Protection Enclosure	IP30 (Enclosure), IP20 (Terminals)
Torque Terminals	0.50 Nm (3.5lb.in.), M3 screw
Terminal Wire Size	0.12-2.0mm <sup>2</sup> (26-14AWG)
Weight	160g (0.35lb)

## CONNECTION DIAGRAMS



## DIMENSIONS



## TIMING FUNCTIONS

MODE 00	ON Delay
MODE 01	ON Delay constant supply 2
MODE 02	ON Delay constant supply 3
MODE 03	ON Delay (Control Switch resettable)
MODE 04	Signal ON Delay
MODE 05	Inverted Signal ON Delay
MODE 06	Inverted Signal ON Delay 2
MODE 07	Signal OFF Delay
MODE 08	OFF Delay constant supply 2
MODE 09	Cyclic ON/ OFF
MODE 10	Cyclic OFF/ ON
MODE 11	Assymmetric Cycle Pulse Start
MODE 12	Assymmetric Recycler Pulse Start 2
MODE 13	Signal ON/ OFF Delay
MODE 14	Signal ON/ OFF Delay 2
MODE 15	Signal OFF/ ON
MODE 16	Impulse on Energizing
MODE 17	Impulse ON/ OFF
MODE 18	Accumulative Delay ON Signal
MODE 19	Accumulative Delay ON Inverted Signal
MODE 20	Accumulative Impulse ON Signal
MODE 21	Leading Edge Impulse 1
MODE 22	Leading Edge Impulse 2
MODE 23	Trailing Edge Impulse 1
MODE 24	Trailing Edge Impulse 2
MODE 25	Delayed Impulse 1
MODE 26	Delayed Impulse 2
MODE 27	Delayed Pulse constant supply, power based
MODE 28	Delayed Pulse (Remote Trigger)
MODE 29	Delayed Pulse constant supply 2
MODE 30	ON Pulse (Control Switch resettable)/ Watchdog Type
MODE 31	On Pulse (Supply Reset)
MODE 32	Leading Edge Bi-stable or Step Relay

## DISPLAY FUNCTIONS

