

# Multitimer

Technical data:

Code : MC300  
Model : AP-310 AP\_313  
Supply : 220 v , 50 Hz , +/- 10%  
Range : 0 ...999.9 sec.  
          0 ...99:59 min\_sec.  
Output : Relay (5 A / 250 Vac)  
Amb. Temp.: -10...+50 C  
Dimensions : 72x72 mm front panel mounting



Features:

- Watch dog.
- Choice of unit (deci sec. or min-sec.).

Details:

A : Front panel

- 1- Set key : This key is used to:
  - Display and edit preset value.
  - Choose the unit of measurement .
- 2- UP key : This key is used to :
  - Increase preset value.
  - Choose min\_sec. mode.
- 3- DN. key : This key is used to :
  - Decrease preset value .
  - Choose deci sec. mode.
- 4- Blinking decimal point of units digit indicates relay activation.

B : Rare side (Input /Output)

INPUTS:

- 1- Supply : Supply terminals ( 220 v , 50 Hz , +/- 10%)
- 2- START : timer start terminal(applying 220v ac will start the timer) .

OUTPUTS:

1-output relay



## Operating Instructions :

- To view and edit the set value (S\_V)  
press the “Set” key, S\_V will be displayed in blinking mode ,use UP or DN key to edit the value.  
Release the set key S\_V will be stored in memory and process value will be displayed
- To choose unit of measurement.  
Press and hold the “Set ” key S\_V will be displayed in blinking mode ,if no other key is pressed  
after 5 seconds S\_V will stop blinking and the decimal point will blink indicating unit selection  
mode, now you can  
Press UP key to enter MIN\_sec mode or  
Press DN key to enter deci sec. mode

Release keys the unit will display process value in appropriate mode.

- Operation  
Connect supply wires and apply power the unit is ready for operation.  
Choose unit of measurement and enter S\_V.
  - To start the timer apply 220 volts to the start terminal timing will start and when the  
time is equal to the S\_V timing will stop output relay will be activated (the decimal point of  
units digit will blink to indicate relay activation.)
  - To start timing again disconnect the 220 volts from the start terminal and connect it  
again .  
(if start supply is disconnected before S\_V is reached timing will start from zero)

## OPTIONAL :

The following optional timers are implemented on request.  
(Do not hesitate to contact us for additional requirements. )

mico_sec , mili_sec , senti_sec	TIMERS.
MIN , HOUR	TIMERS.
FLIP_FLOP	TIMERS.
mico_sec , mili_sec , senti_sec	STOP_watch.
MULTI function	MULTI timers.
single unit	TIMER/COUNTERS.