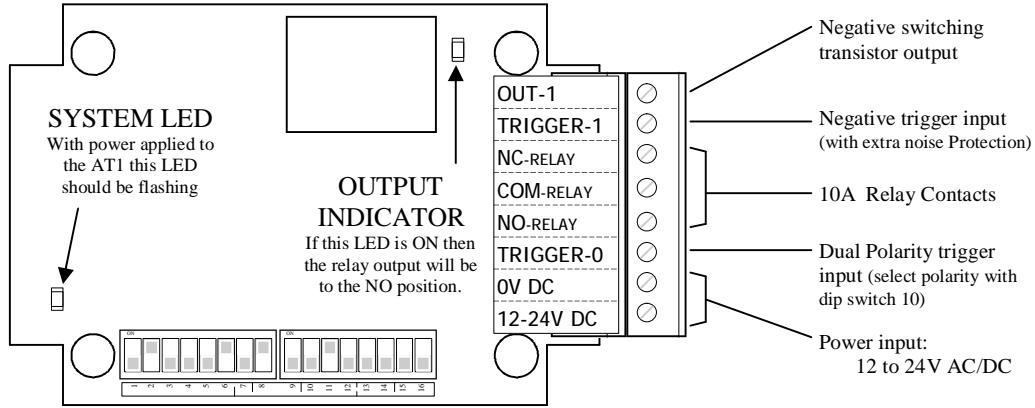


AT1 TIMER BOARD



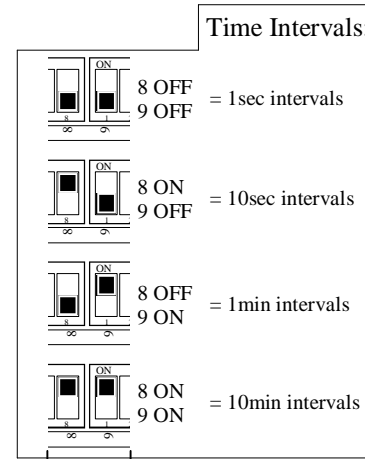
FEATURES

- 11 different timer Modes
- 4 timing Ranges
 - 1 to 127 seconds in 1 second increments
 - 10sec to 21 min in 10 second increments
 - 1 to 127 minutes in 1 minute increments
 - 10mins to 21 hours in 10 minute increments
- Fail Safe or Fail Secure operation
- High and low triggering inputs

SPECIFICATIONS

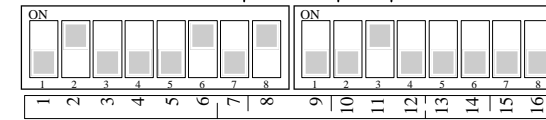
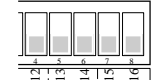
- OPERATION VOLTAGE:** 12-24 AC/DC
- CURRENT DRAW:** STANDBY = 25mA
MAX = 70mA
- RELAY:** 10A @ 24VDC
- OUT-1:** 500mA @ 24VDC

SETTING DIP SWITCHES

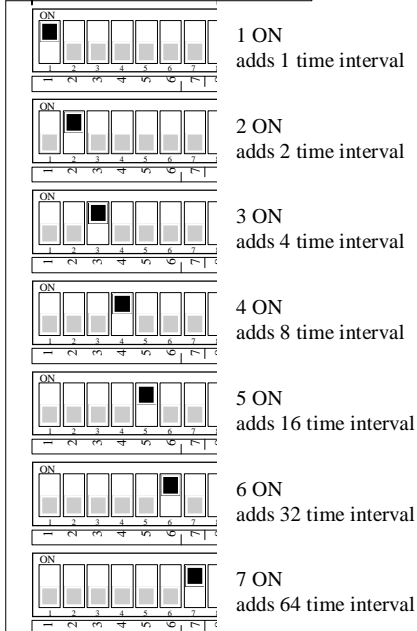


Mode Selection

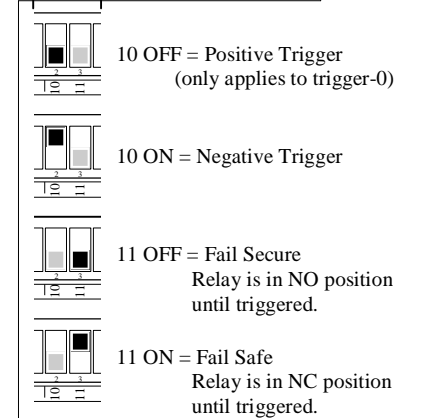
These jumpers select the many different timer modes on the AT1 board. All the features are listed on the next page.



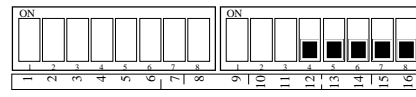
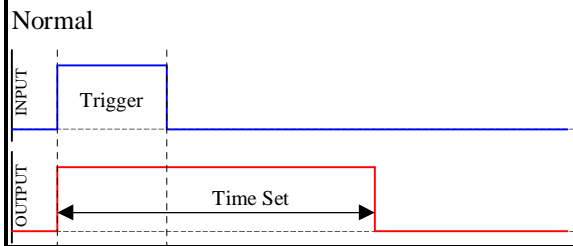
Timer Period



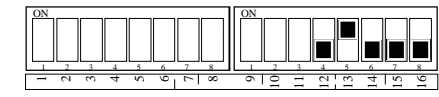
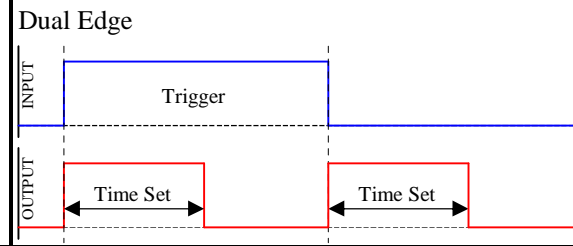
Options



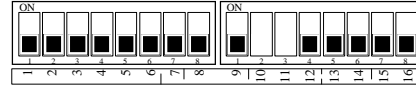
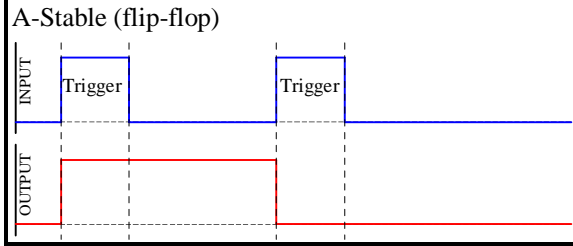
Example:
3, 4, 5 & 6 ON
 $4+8+16+32 = 60$
60 time interval set



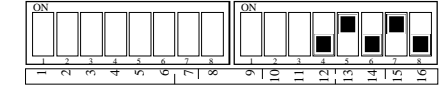
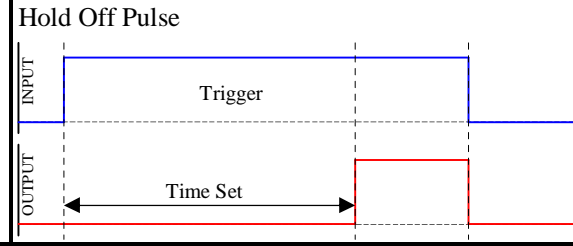
As soon as the trigger input is activated the relay will turn ON and stay ON for the set time. If any further triggers occur while the relay is on they are ignored.



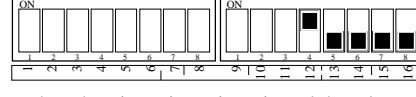
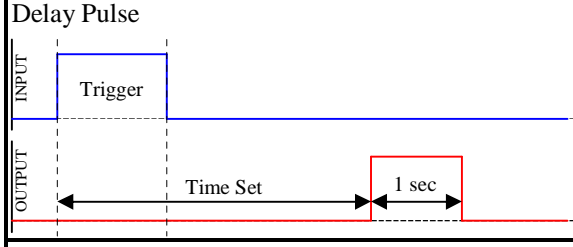
As soon as the trigger input is activated the relay will turn ON and stay ON for the set time. When the trigger input is removed the relay will turn ON again and stay ON for the set time.



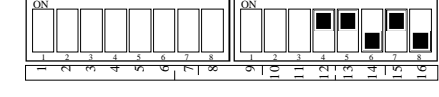
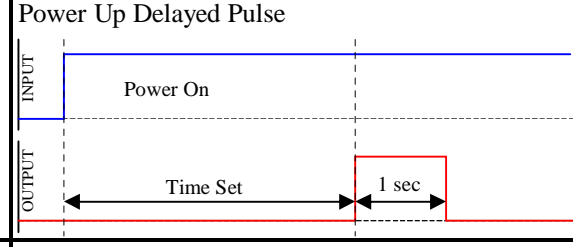
If there is no timer intervals set in normal mode, A-Stable mode is selected. Every time the input is triggered the output will change state and remain in that state until the input is trigger again.



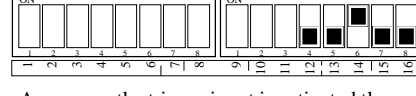
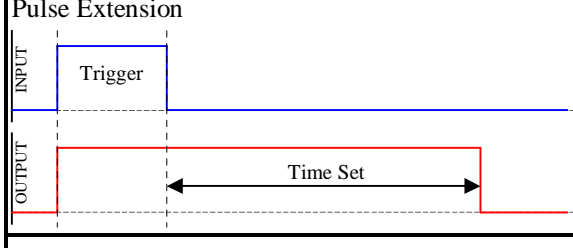
For the relay to turn ON the trigger input must be held ON for longer than the time set. As soon as the trigger is removed the relay will turn OFF.



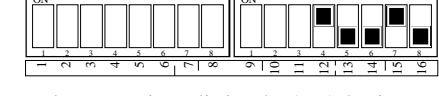
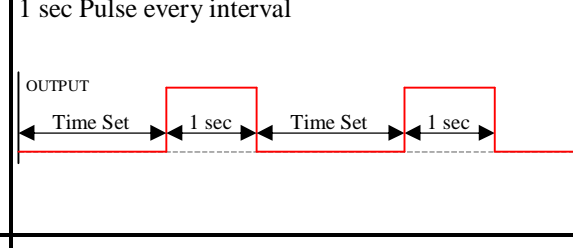
When the trigger input is activated the relay remains OFF until the set time elapses, then it will turn ON for 1 second. If any further triggers occur while the relay is on they are ignored.



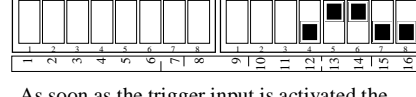
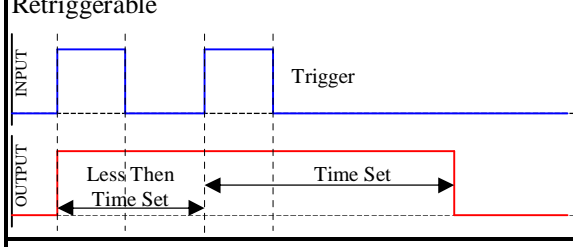
This mode does not require the trigger input, instead when the AT-1 board is powered up the timer automatically starts, after the time set elapses the relay will turn on for 1 second.



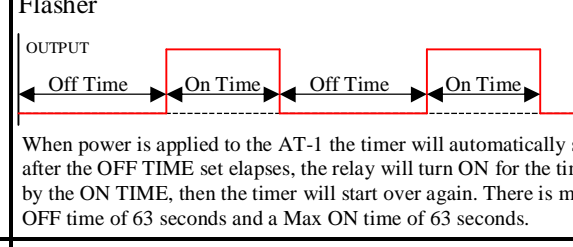
As soon as the trigger input is activated the relay will turn ON, when the trigger is removed the timer starts and after the set time elapses the relay will then turn OFF.



When power is applied to the AT-1 the timer will automatically start, after the time set elapses the relay will turn ON for 1 second then the timer will start over again.

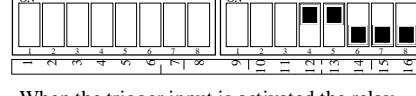
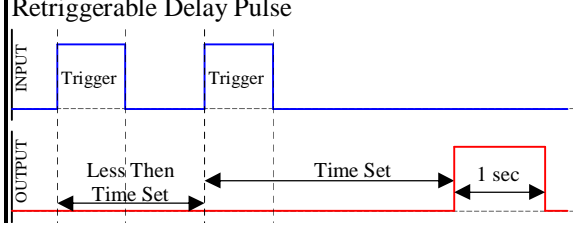


As soon as the trigger input is activated the relay will turn ON and stay ON for the set time. If another trigger occurs while the relay is ON then the time set is restarted.



Off Time Set On Time Set
 Dip switches 1 to 6 set the Off timer and Dip switches 7 to 12 set the On timer (Dip7=1sec, Dip8=2sec, Dip9=4sec, Dip10=8sec, Dip11=16sec & Dip12=32sec).

When power is applied to the AT-1 the timer will automatically start, after the OFF TIME set elapses, the relay will turn ON for the time set by the ON TIME, then the timer will start over again. There is max OFF time of 63 seconds and a Max ON time of 63 seconds.



When the trigger input is activated the relay remains OFF until the set time elapses, then it will turn ON for 1 second. If another trigger occurs while the timer is active, then the time set is restarted.

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