

PC INTERNET TIMER ver 2.0

DIP SWITCH SETTINGS

| Time for each dollar | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------------------|-----|-----|-----|-----|-----|---|---|---|
| 1 MIN | OFF | OFF | OFF | OFF | OFF | | | |
| 2 MIN | ON | OFF | OFF | OFF | OFF | | | |
| 3 MIN | OFF | ON | OFF | OFF | OFF | | | |
| 4 MIN | ON | ON | OFF | OFF | OFF | | | |
| 5 MIN | OFF | OFF | ON | OFF | OFF | | | |
| 6 MIN | ON | OFF | ON | OFF | OFF | | | |
| 7 MIN | OFF | ON | ON | OFF | OFF | | | |
| 8 MIN | ON | ON | ON | OFF | OFF | | | |
| 9 MIN | OFF | OFF | OFF | ON | OFF | | | |
| 10 MIN | ON | OFF | OFF | ON | OFF | | | |
| 11 MIN | OFF | ON | OFF | ON | OFF | | | |
| 12 MIN | ON | ON | OFF | ON | OFF | | | |
| 13 MIN | OFF | OFF | ON | ON | OFF | | | |
| 14 MIN | ON | OFF | ON | ON | OFF | | | |
| 15 MIN | OFF | ON | ON | ON | OFF | | | |
| 16 MIN | ON | ON | ON | ON | OFF | | | |
| 17 MIN | OFF | OFF | OFF | OFF | ON | | | |
| 18 MIN | ON | OFF | OFF | OFF | ON | | | |
| 19 MIN | OFF | ON | OFF | OFF | ON | | | |
| 20 MIN | ON | ON | OFF | OFF | ON | | | |

| Equiv. value of token | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------------------|---|---|---|---|---|-----|-----|---|
| \$1.00 | | | | | | OFF | OFF | |
| \$2.00 | | | | | | ON | OFF | |
| \$3.00 | | | | | | OFF | ON | |
| \$4.00 | | | | | | ON | ON | |

| Bonus at \$5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------|---|---|---|---|---|---|---|-----|
| Disabled | | | | | | | | OFF |
| Enabled | | | | | | | | ON |

DESCRIPTION OF OPERATION

1. Minimum price to start timer is \$1.00, made up of any combination of \$2, \$1, 50c, 20c, or 10c coins.
2. Coins are registered in 10c increments on the Coin Meter.
3. The timer starts 5 seconds after inserting the last coin.
4. The optional LED display shows the money inserted and the time remaining.
5. A piezo beeper or flashing LED light may be connected. It will pulsate for the last 20 seconds of running time.
6. If the bonus feature is enabled, a bonus dollar value will be added for each five dollars of coin inserted at one time.
7. Coins inserted while the timer is running will add to the time.
8. Tokens will be converted to an equivalent money value as set by the DIP switch. Tokens are registered in token unit increments on the Token Meter.
9. Tokens are not included in the calculation for a bonus.
10. Coin pulses can be applied via the 22 pin edge connector or via the L COIN ribbon cable socket. The R COIN socket is not used.

11. Security. Coin or token pulse widths greater than 250mS will be rejected and cause a lock-out of 10 seconds.
12. The maximum time is 10 hours.

EDGE CONNECTOR PINOUT

| COMPONENT SIDE | SOLDER SIDE |
|----------------|--------------------------------|
| Restart input | 1. - |
| | 2. Boot timer enable (GND) |
| | 3. Token Input |
| | 4. 10c coin switch input |
| | 5. 20c coin switch input |
| | 6. 50c coin switch input |
| | 7. \$1 coin switch input |
| | 8. \$2 coin switch input |
| Token meter | 9. - |
| | 10. - |
| | 11. Piezo beeper |
| | 12. Coin meter |
| | 13. Timer output (transistor). |
| | 14. LED display serial data |
| | 15. LED display clock |
| | 16. Timer output (Relay, COM) |
| | 17. Timer output (Relay, NC) |
| | 18. Timer output (Relay, NO) |
| | 19. +12v DC |
| | 20. +12v DC |
| | 21. GND |
| | 22. GND |

RESTART INPUT. A pulse to GND will force the timer board to do a software reset. The minimum pulse width is 20 mS.

BOOT TIMER ENABLE. This feature is enabled by wiring this pin to GND. At power-up, the timer output will be turned on for 1.5 minutes, to allow the PC to boot up with the keyboard and mouse connected.

TIMER OUTPUT (transistor).

The open collector transistor output, switches to ground while the timer is running.

The specifications for the CA3086 transistor are as follows.

Absolute Maximum Ratings. Dissipation 300mW. VCEO 15V. IC 50mA.

Characteristics. VCEsat = 0.23V at IC 10mA.

TIMER OUTPUT (relay).

The relay contacts are isolated from GND and are rated at 3A.

Beeper and Meter output.

The device connects between 12 volt and the output pin. The outputs are rated at 300mA each.

10 PIN BOX HEADER "L COIN"

| | |
|-----|-------------|
| 1. | GND |
| 2. | +12v DC |
| 3. | \$2 |
| 4. | Token Input |
| 5. | - |
| 6. | - |
| 7. | 50c. |
| 8. | 10c. |
| 9. | 20c. |
| 10. | \$1 |

