PC INTERNET TIMER ver 2.1

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

- Minimum price to start timer is $1.00, made up of any combination of $2, $1, 50c, 20c, or 10c coins.

- Coins are registered in 10c increments on the Coin Meter.

- The timer starts 5 seconds after inserting the last coin. The maximum time is 10 hours.

- The optional LED display shows the money inserted and the time remaining. The time display switches automatically from min:sec to hr:min.

- A piezo beeper or LED light may be connected. It will pulsate for the last 20 seconds of running time.

- If the bonus feature is enabled, a bonus dollar value will be added for each five dollars of coin inserted at one time.

- Coins inserted while the timer is running add to the time.

- Tokens are be converted to an equivalent money value as set by the DIP switch. Tokens are registered in token unit increments on the Token Meter. Tokens are not included in the calculation for a bonus.

- 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.

- Security. Coin or token pulse widths greater than 250mS will be rejected and cause a lock-out of 10 seconds.

- Master Reset input. If the PC hangs, instead of turning the main power off and on, a momentary switch from this pin to GND can be used to force the timer board and the PC to reset.

- Boot timer enable. This feature is enabled by wiring the pin to GND. At power-up, the timer output will be turned on for 90 seconds, to allow the PC to boot up with the keyboard and mouse connected.

- Time over reset enable. This feature is enabled by wiring the pin to GND. If the timer is idle 60 seconds after the end of a paid time period, a reset pulse is issued from component side pin 11.

- Timer outputs, transistor and relay. The open collector transistor output switches to ground while the timer is running. The relay has isolated SPDT contacts which change over while the timer is running.

Output drive capabilities. The beeper, meter and reset outputs are rated at 300mA and 12v max. The devices normally connect between 12 volt and the output pin. The relay contacts are rated at 3A. The lockout and timer transistor outputs are rated at 50mA, 15V, 300mW (total) maximum.

EDGE CONNECTOR PINOUT

COMPONENT SIDE		SOLDER SIDE
/Reset All input	1.	-
/Time over reset enable	2.	/Boot timer enable
-	3.	/Token switch 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 output	9.	-
-	10.	-
To PC /reset input	11.	/Piezo beeper or LED indicator
-	12.	/Coin meter
-	13.	Timer output (transistor).
-	14.	LED display serial data
coin lockout output ⌐	15.	LED display clock
coin lockout input ⌐	16.	Timer output (Relay, COM)
-	17.	Timer output (Relay, NC)
-	18.	Timer output (Relay, NO)
-	19.	+12v DC power input
-	20.	+12v DC power input
-	21.	GND
-	22.	GND

10 PIN BOX HEADER "L COIN"

1. GND
2. +12v DC output
3. /$2 input
4. /Token Input
5. -

6. coin lock out.
7. /50c input.
8. /10c input.
9. /20c input.
10 /$1 input