MULTI COIN TIMER BOARD VT-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

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. If the bonus feature is enabled, a bonus dollar value will be added for each five dollars of coin inserted at one time.
5. Coins inserted while the timer is running will add to the time.
6. 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.
7. Tokens are not included in the calculation for a bonus.
8. A piezo beeper may be connected. It will pulsate for the last 20 seconds of running time.
9. 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.
10. Tokens are to be output from the coin mech channel 6.
11. Security. Coin or token pulse widths greater than 250mS will be rejected and cause a lock-out of 10 seconds.
12. The maximum value which may be loaded to the timer is 100 minutes.

```
1.     -
2.     -
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
9.     Token meter
10.    -
11.    Piezo beeper
12.    Coin meter
13.    Timer output*
14.    LED display serial data
15.    LED display clock
16.    -
17.    -
18.    -
19.    +12v DC
20.    +12v DC
21.    GND
22.    GND
```

*TIMER OUTPUT.
This is an open collector output, which 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.

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
```