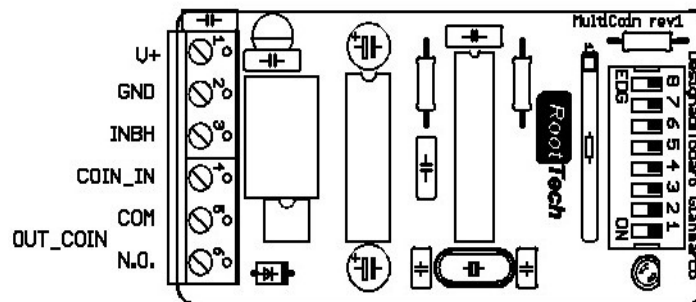**RootTech**
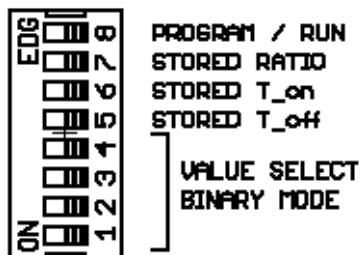Radical Electronics

Multicoin_Dip

V+   = Power supply (+) +12V
GND   = Power supply (-)
INBH   = open collector out, always active (GND), float when the credit is issued
COIN_IN = Input coin from coin validator or bill validator (input optoisolate)
COM   = Common relay for coin out
N.O.   = Contact realy normal open for coin out

Feature :

- Power   = Protected against polarity reversal .
- Input   = optoisolate 5mA ,isolate>2Kv
- Output   = by relay 3A
- Input timing   = min 50mS. Max 200mS.
- Output timing = T_on 50mS. to 1000mS. / T_off 50mS. to 2500mS.
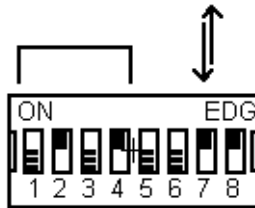
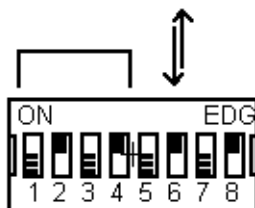### PROGRAMMING :

Function DIPSWITCH on board

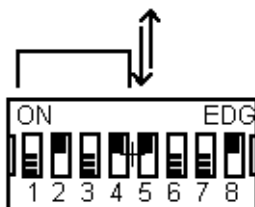To enter programming, move the DIP8 to the on position the PROG MODE LED will flash .

To program the feature ,first enter the value using DIP 1 to 4 (see value table).
Then then, to store the value of the multiplier ratio, set DIP 7 to ON, the LED will remain on, at this point the value is stored and return DIP 7 to the OFF position, the LED will flash again PROG MODE.

Then, set DIP 1 to 4 again with the wish value, to store the value in T_on, set DIP 6 to ON, the LED will remain on, at this point the value is stored and return DIP 6 to the OFF position, the PROG MODE LED will flash again.

Then, set DIP 1 to 4 again with the wish value, to store the value in T_off, set DIP 5 to ON, the LED will remain on, at this point the value is stored and return DIP 5 to the OFF position, the PROG MODE LED will flash again.

Once programming is complete, set DIP8 back to the OFF position (RUN MODE).

TABLE VALUE

DIP POSITION																
DIP Value	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mult Ratio	1	1	2	3	4	5	6	7	8	9	10	15	20	25	50	50
T_on (mS.)	50	50	80	100	120	150	170	200	220	250	300	350	400	450	500	1000
T_off (mS.)	50	50	100	120	150	170	200	220	250	500	750	1000	1500	1700	2000	2500

Bonus :
The bonus, if active, is added only if the COIN pulses are greater than 1, received together, before they are delivered.
In practice, from the second COIN_IN onwards an additional pulse is delivered, other 2 pulses are added to the 10 consecutive COIN_IN received.
To activate this function, keep DIP 1 ON during normal operation.