



COIN MECHANISMS INC.

Where The Money Meets The Machine

817 Industrial Drive Elmhurst, Illinois 60126 - 1107

ATV-3 TIMER 12 Volts DC Part No. 09780007

Specifications

Input Voltage = 12 Volts DC 10 Volts DC min. 15 Volts DC max.

Power Consumption = 1.1 Watts max.

Switched Output Relay = Single Pole Double Throw Contact
Maximum Rating = 20 Amps @ 120 / 240 VAC, 1 HP
20 Amps at 30 Volts DC
Output Relay Life = 10 million operations

Operating
Temperature = -20° C to 80° C,
Humidity = 95% relative non-condensing

Storage Temperature -30° C to 85° C

Number of Coins to Vend = 1 to 7 (selectable via three DIP switches)

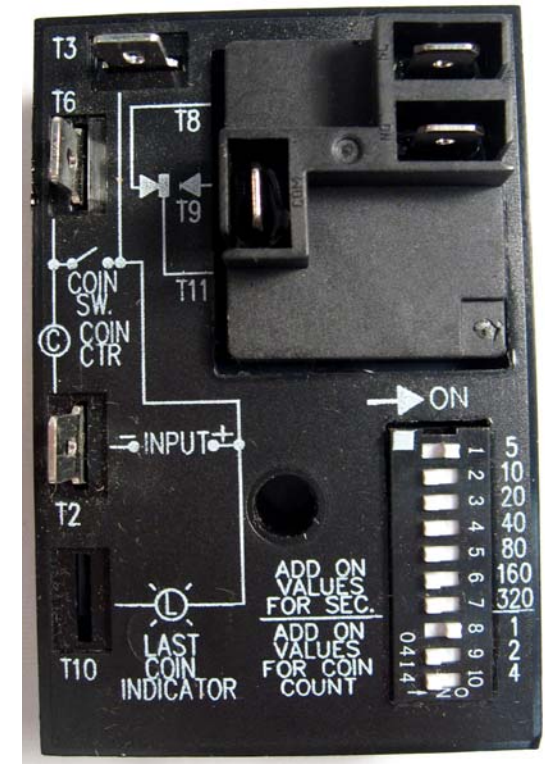
Accumulator Time per Vend = Time selected by switch setting is per coin
(via seven DIP switches)

1 Coin Time = 5 seconds Minimum to 10 minutes 35 seconds Maximum

7 Coin Time = 35 seconds Minimum to 1 hour 14 minutes 5 seconds Maximum

Additional Time = Coin inserted during a Vend Cycle adds additional time

Mechanical Coin Micro-Switch Input =
25 milliseconds Minimum Closed, 25 milliseconds Minimum Open



Mechanical

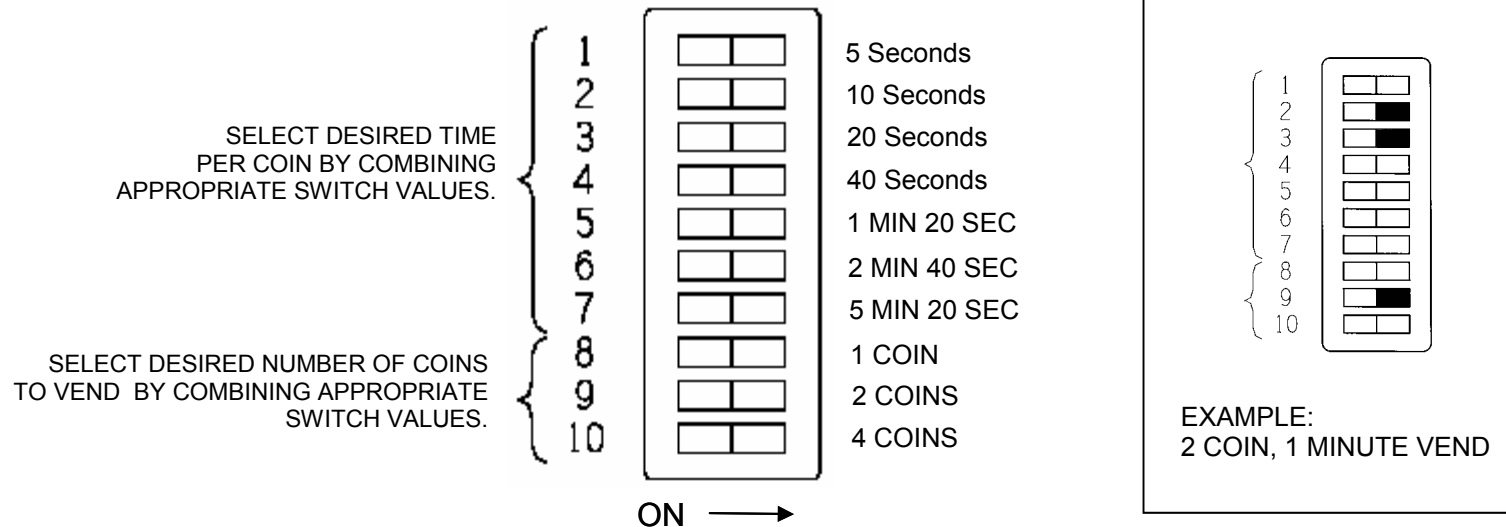
- Package: epoxy-encapsulated
2 Inch x 3 Inch x 1.50 Inch
- Mounting: 0.25" diameter hole for up to #10 screw
- Terminations: .25" male quick connect terminals

UL cUL Recognized
CE Marking



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SWITCH SETTINGS



Total Vend (or Output Relay on) Time =
Number of Seconds X Number of Coins Selected on the Switch



Closing and Opening a Switch or Relay Connected between Terminal T3 (+12V DC) and T6 (Switch Input) activates the Timer Output Relay

Minimum Coin Switch closure time = 25 Milliseconds

Open Time Between Closures = 25 Milliseconds Minimum

T3 = +12 Volts DC Input Power



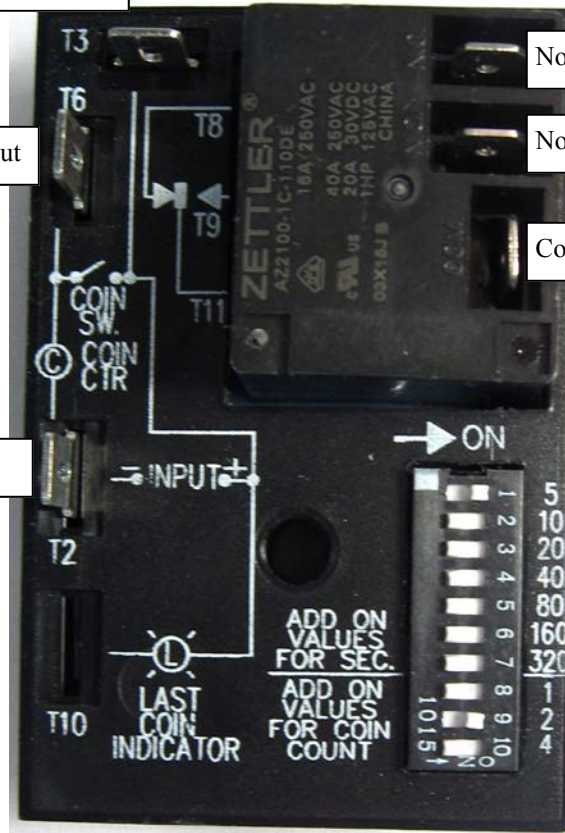
T6 = Coin Switch Input

T2 = DC Power Ground

Coin Switch closures are counted until their total equals the DIP Switch setting. At this point the Isolated Output Relay activates for the selected Vend Time. Upon completion the Output Relay reverts to its original position. Removal and re-application if input power will reset the timer.

Isolated Output Relay

Activates when the Coin Count has been met for the Vend Time set on the DIP Switch



Normally Closed terminal of the Output Relay

Normally Open terminal of the Output Relay

Common terminal of the Output Relay

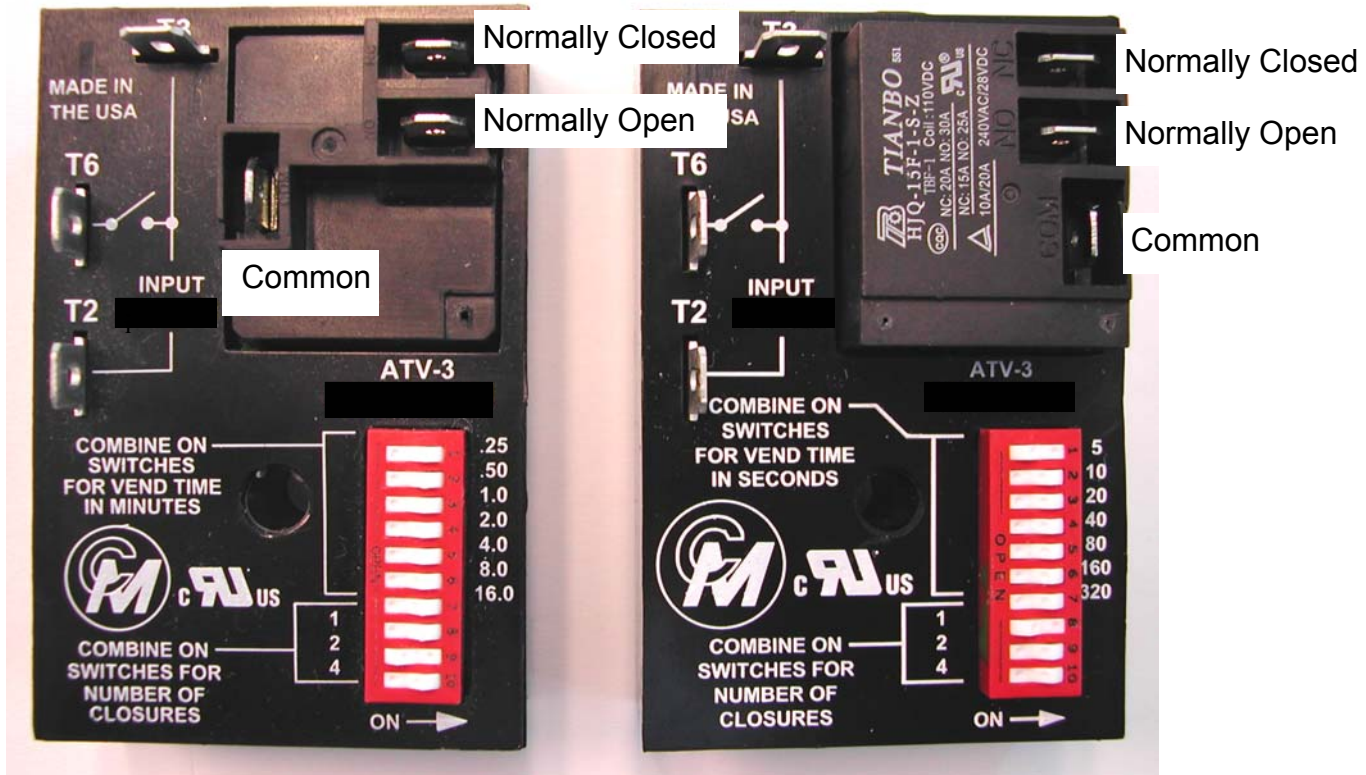
DIP Switch

Switches 1 to 7 Set the Vend (Output Relay Closure) Time

Switches 8, 9,10 Set the Coin Switch Closure Count



The ATV-3 Timer has two Output Relay configurations



The Output Relay is single pole double throw
It can switch 0 to 250 Volts up to 20 Amps



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