



COIN MECHANISMS INC.

Where The Money Meets The Machine

817 Industrial Drive Elmhurst, Illinois 60126 - 1107
 Web Site : www.CoinMech.Com Phone (630) 924 - 7070

ATV-3 TIMER 120 Volts AC

Part No. 09780006

Specifications

Input Voltage = 115 Volts AC 50/60 HZ 101 VAC min. 132 VAC max.

Power Consumption = 3.7 Watts max.

Coin Micro-Switch Input = 25 millisecond min. ON, 30 millisecond min. OFF

Switched Output Voltage = Input Voltage

Switched Output Rating = SPDT, 20 Amp @ 120 Volts AC, 1 HP

Temperature = Operating: -40° C to 65° C, Storage: -40° C to 85° C

Humidity = 95% relative non-condensing

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

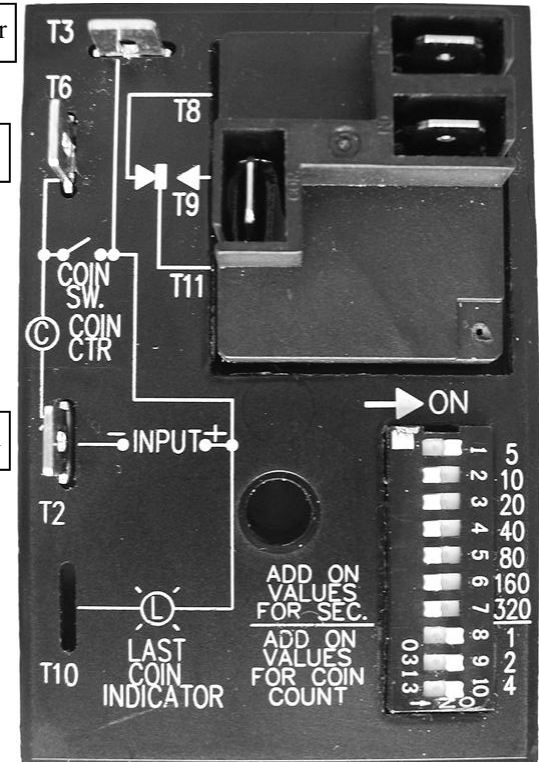
7 Coin Time = 35 seconds Minimum to 1 hour 14 minutes 5 seconds Maximum

Additional Time = Coin inserted during a Vend adds additional time

T3 = 120VAC Input Power

T6 = Coin Switch Input

T2 = 120VAC Neutral



Mechanical

- Package: epoxy-encapsulated 2" x 3" x 1.25"
- Mounting: 0.25" diameter hole for up to #10 screw
- Terminations:
 - (ATV-3 Timer) .25" male quick connect terminals
 - (Terminal Block) stripped wire 14 to 22 AWG using flat blade screwdriver for screw clamp
- Relay MTBF: 10 million operations

UL Recognized UL file # E125360
 UL Guide NMFT2, cUL Guide NMFT8



COIN MECHANISMS INC.

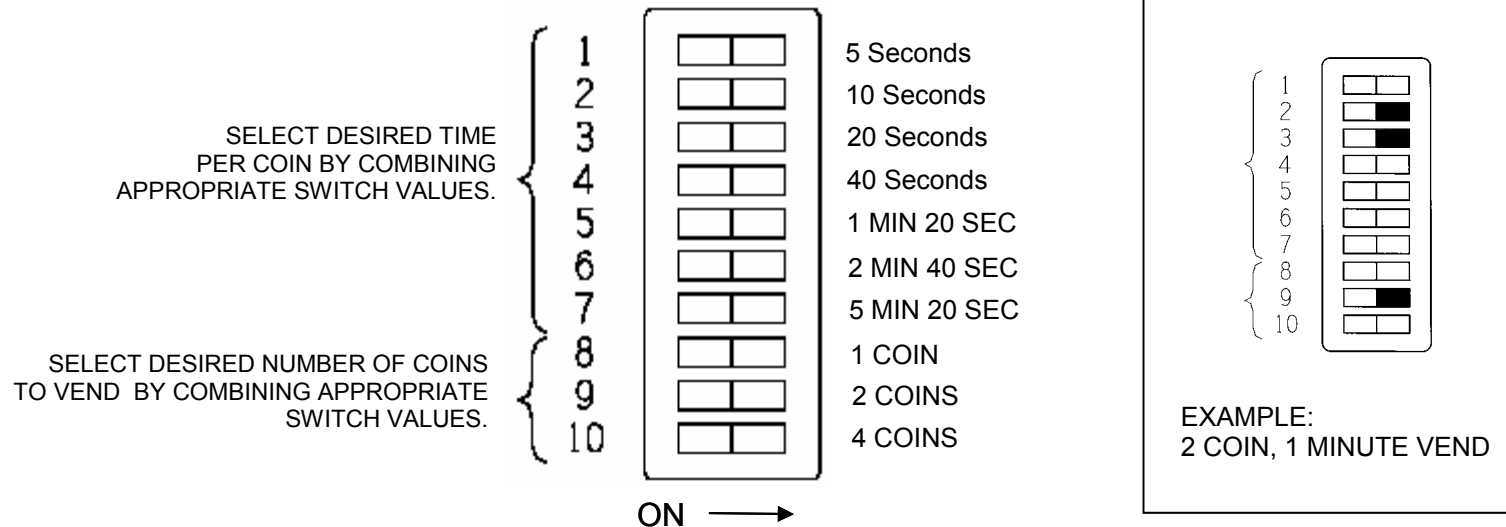
Where The Money Meets The Machine

817 Industrial Drive Elmhurst, Illinois 60126 - 1107

Web Site : www.CoinMech.Com Phone (630) 924 - 7070

**ATV-3 TIMER 120 Volts AC
P/N 09780006**

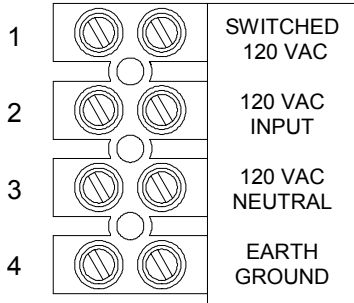
SWITCH SETTINGS



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



TERMINAL BLOCK CONNECTIONS

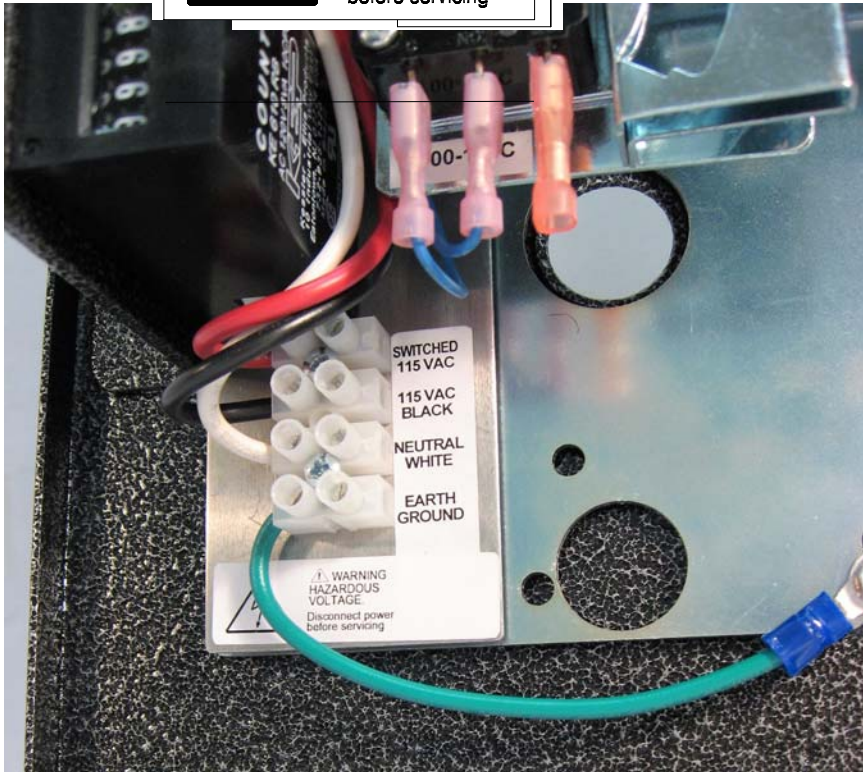


120 Volts AC Switched Power
Output from Timer

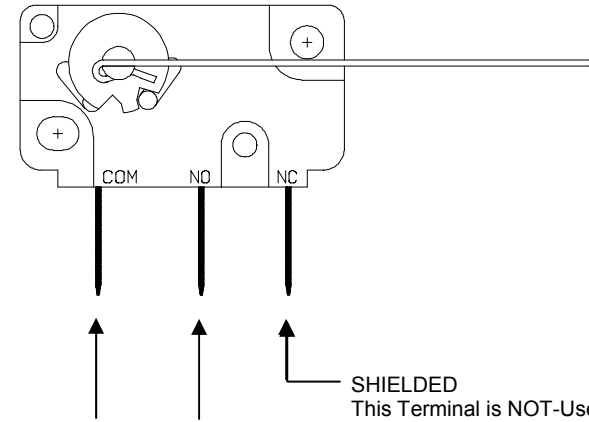
120 Volts AC Power
Input to Timer



**WARNING
HAZARDOUS
VOLTAGE.**
Disconnect power
before servicing



COIN MICRO-SWITCH CONNECTIONS



CONNECT THE BLUE WIRES
FROM ATV-TIMER
TO THE COIN MICRO-SWITCH
"COM" AND "NO" TERMINALS

SHIELDED
This Terminal is NOT-Used



COIN MECHANISMS INC.

Where The Money Meets The Machine

817 Industrial Drive Elmhurst, Illinois 60126 - 1107

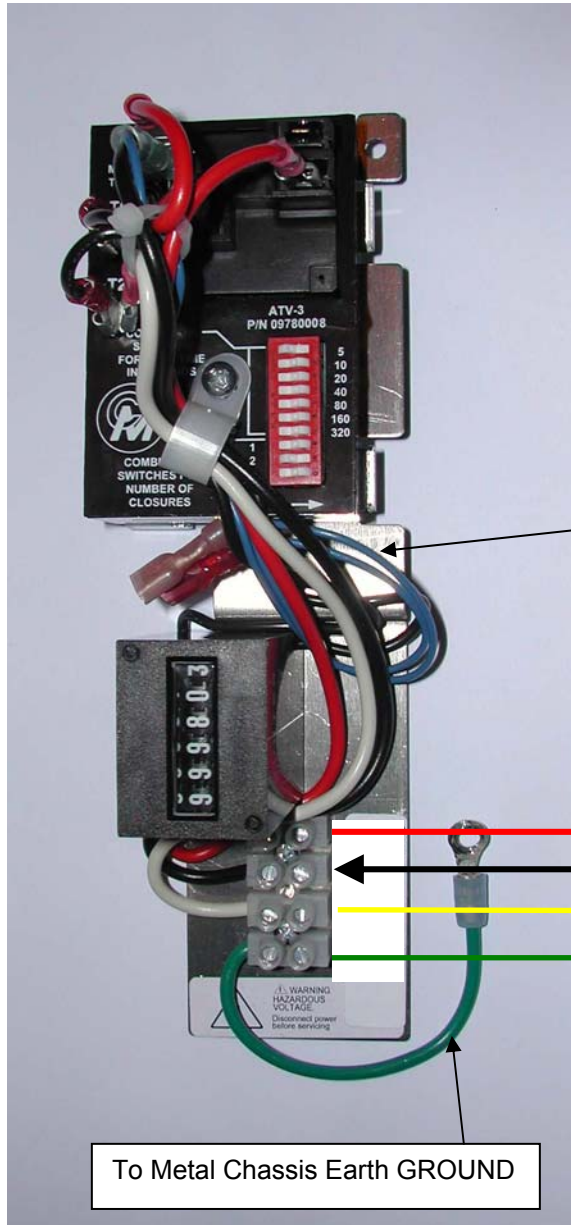
Web Site : www.CoinMech.Com Phone (630) 924 - 7070

120 Volt AC WIRING

Wiring connections to and from ATV-3 Timer-Box when using same voltage operating the timer for the switched voltage going to your device to be timed.

Green Ground Wire is earth ground and is for safety. This is optional if earth ground is supplied by other means in the application or is part of the common supply.

Connect these two blue wires with .187" fast-on terminals
To the Coin Micro-Switch Normally Open (NO) and COMMON (COM) terminals.
Shorting these two Blue wires counts pulses for Timer.



To Metal Chassis Earth GROUND

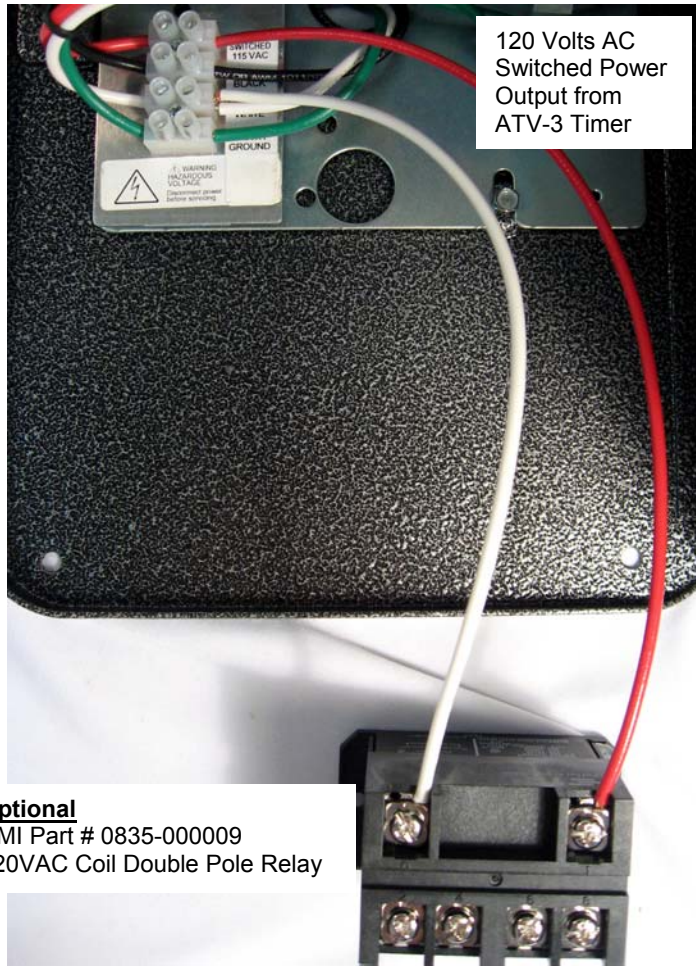
GROUND 120 VAC 120 VAC
NEUTRAL HOT (LINE)
This is your Power Source
To the Timer-Box and Device to be timed.

DEVICE TO BE TIMED

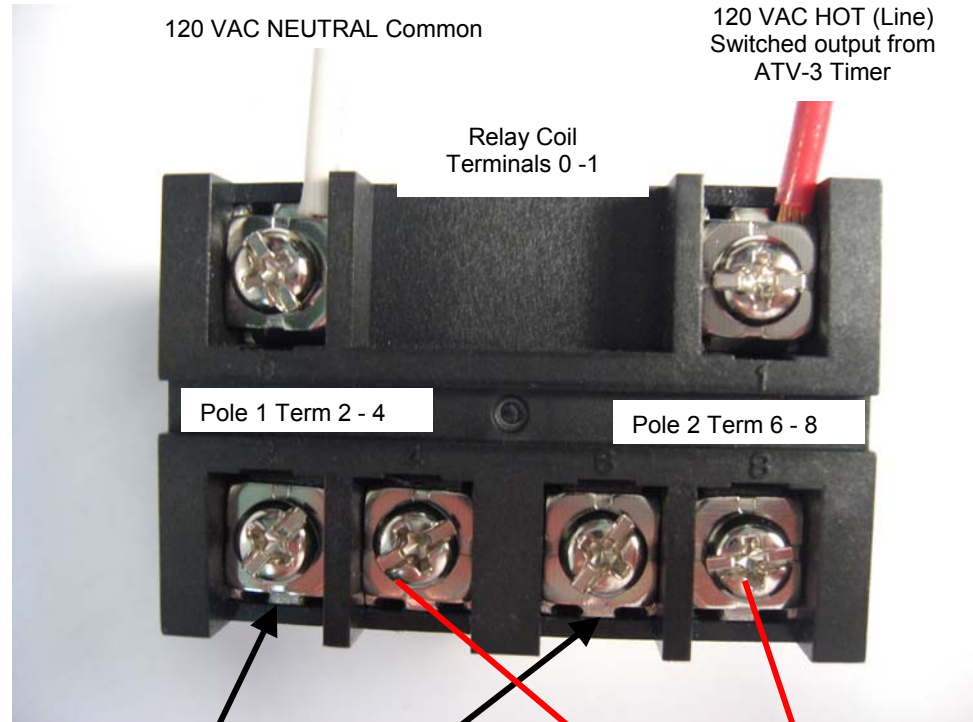
120 VAC HOT (Line)
Switched output from Timer
120 VAC NEUTRAL Common
EARTH GROUND



Optional External Relay WIRING Example



Optional
CMI Part # 0835-000009
120VAC Coil Double Pole Relay



Relay Terminals

- 0 - 1 = Relay Coil
- 2 - 4 = Pole 1 (Normally Open)
- 6 - 8 = Pole 2 (Normally Open)

Power IN
220 VAC
Phase 1
Phase 2

When the ATV-3 Timer Activates
For the set time the external Relay
Closes powering-on the device
connected to terminals 4 and 8

**Switched
Power OUT**
220 VAC
Phase 2
Phase 1
To device to
be controlled



COIN MECHANISMS INC.

Where The Money Meets The Machine

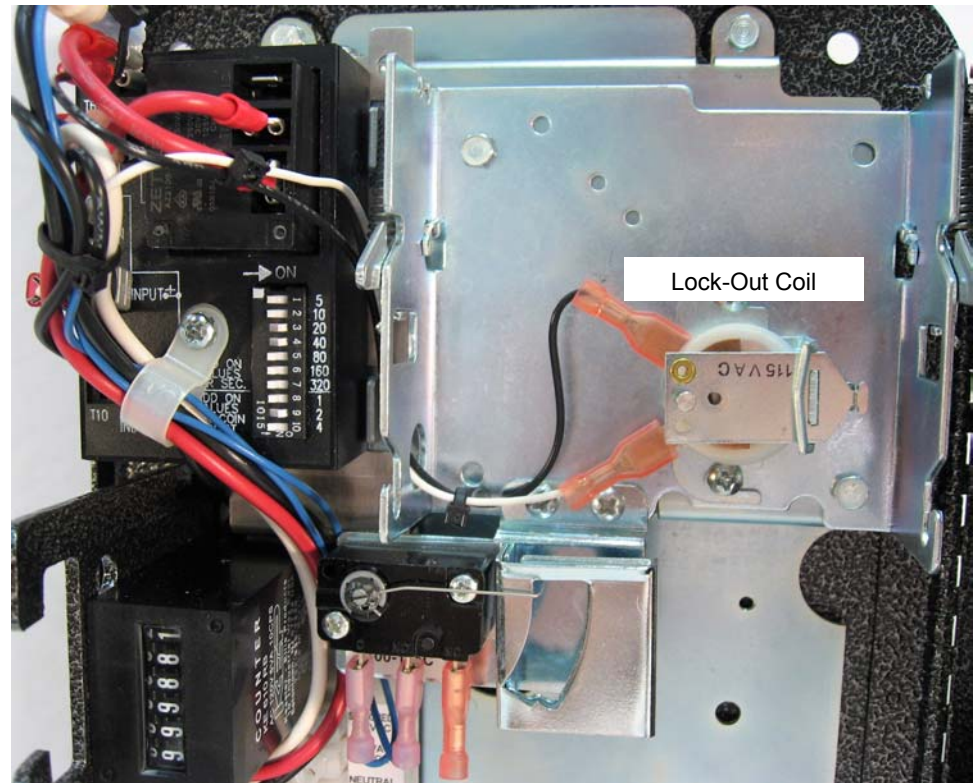
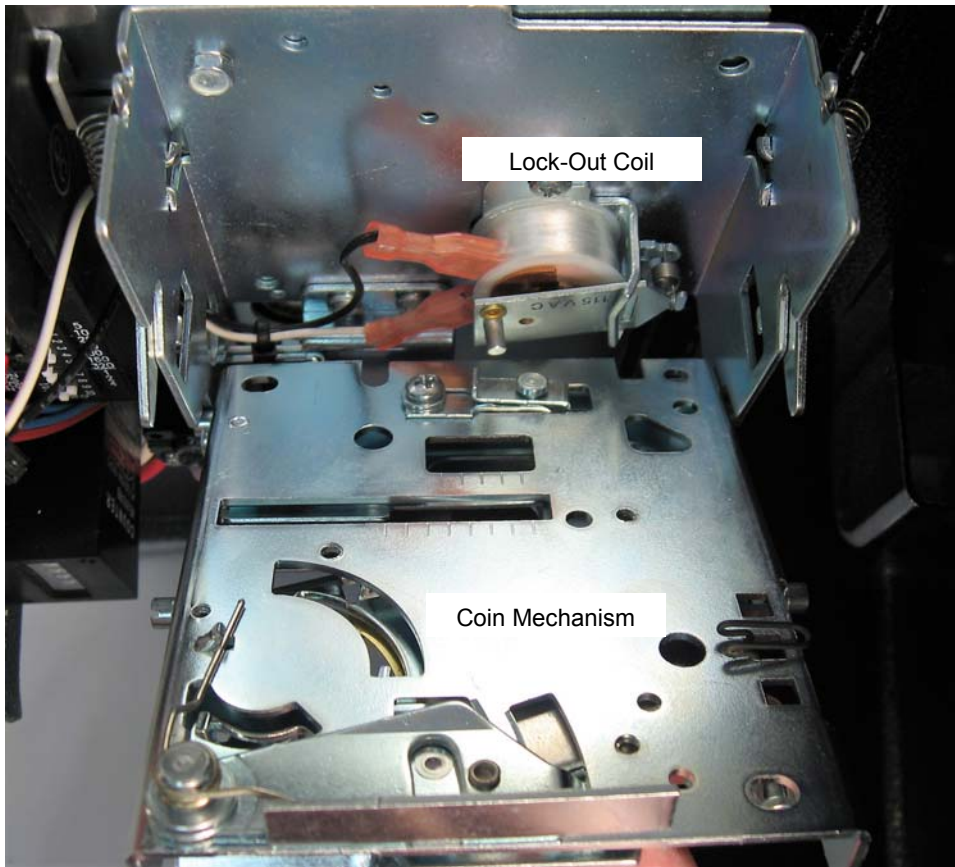
817 Industrial Drive Elmhurst, Illinois 60126 - 1107

Web Site : www.CoinMech.Com Phone (630) 924 - 7070

Optional Lock-Out Coil

If your unit has an Optional Lock-Out Coil (mounted in the channel behind the Coin Mechanism);
Then Power must be applied to the unit for the Coin Mechanism to Accept coins.

When the power is OFF the Lock-Out Coil Pin blocks coins being accepted, and all coins will be returned when the Power is OFF.



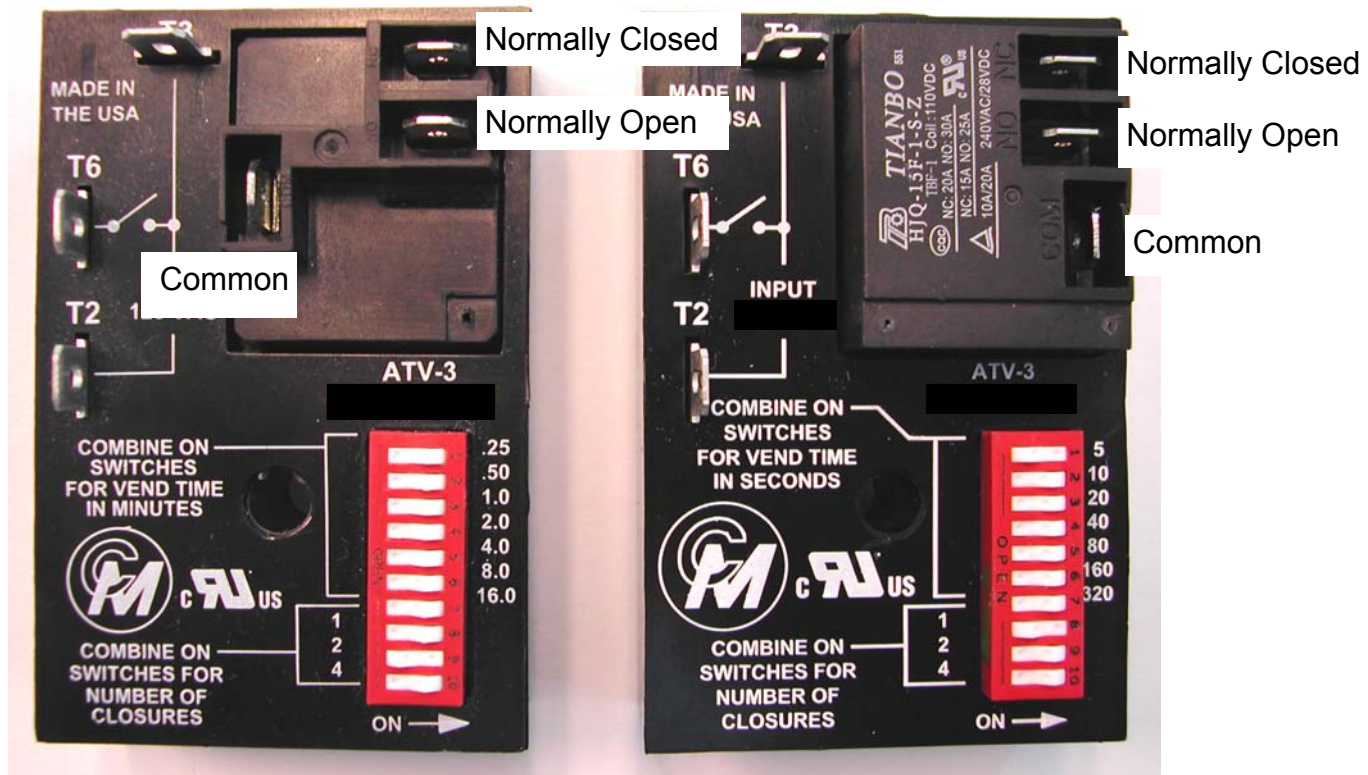


COIN MECHANISMS INC.

Where The Money Meets The Machine

817 Industrial Drive Elmhurst, Illinois 60126 - 1107
Web Site : www.CoinMech.Com Phone (630) 924 - 7070

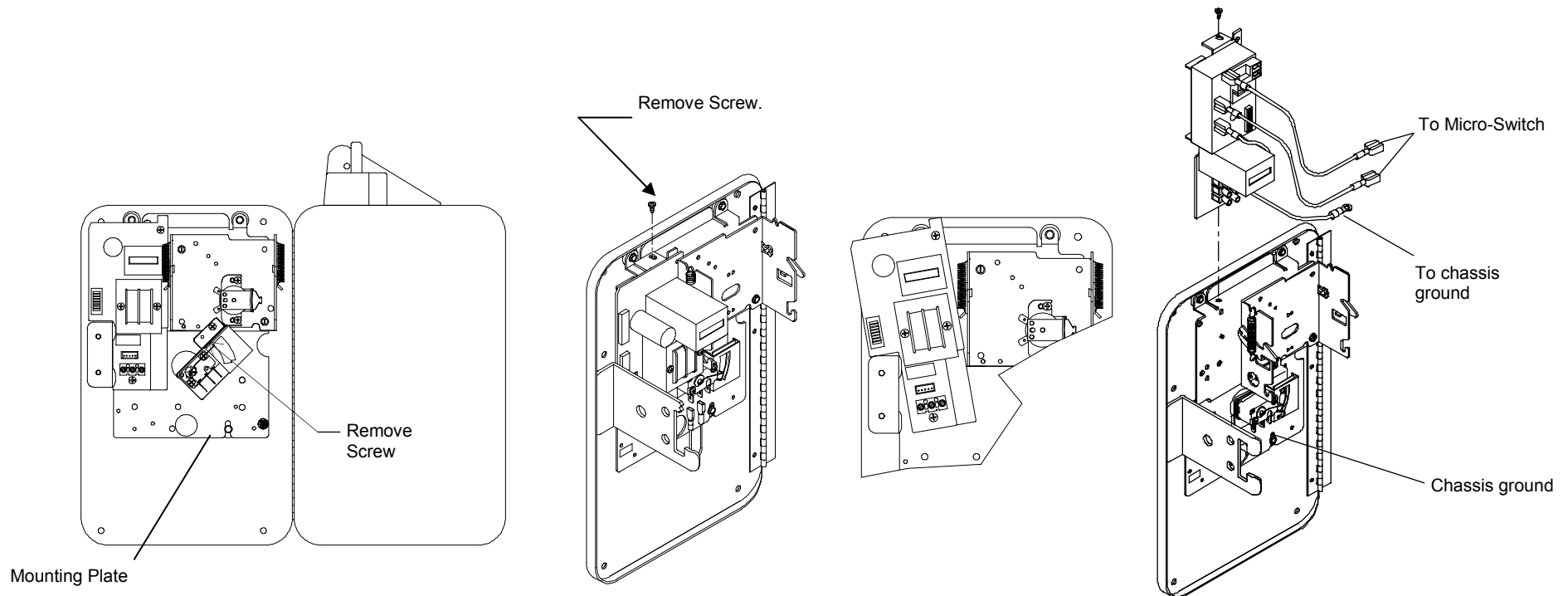
The ATV-3 Timer has two Relay configurations
The relay is single pole double throw
It can switch 0 to 250 Volts up to 20 Amps





ATV TIMER KIT INSTALLATION INSTRUCTIONS

NOTE: ALL WIRES NOT SHOWN FOR CLARITY



Remove left screw on switch bracket assembly and swing switch and bracket assembly out of the way To provide room for mounting new timer.

Remove screw from the top of the old-timer bracket.

Rotate bracket counter-clockwise slightly, up, then out to disengage latches from mounting plate. Remove old-timer.

Replace with new ATV Timer Kit Making sure latches hook over the back of mounting plate.

Reposition switch and bracket assembly and replace screws.