AIROTRONICS
Timers & Controls

MICRO CONTROLLER, 15-20 AMP, COIN COUNTER
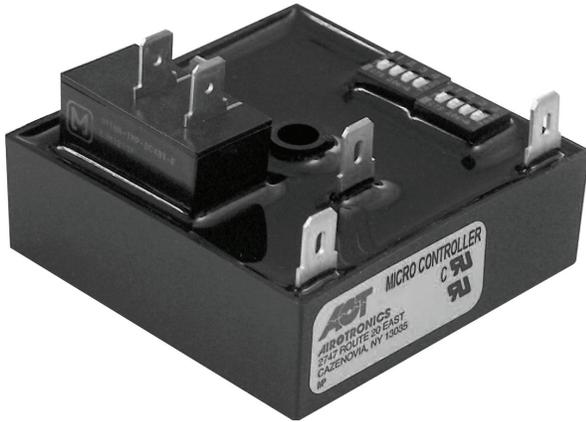
MC Series Coin Counter

The MC series Coin Counting Timers combine a Single Shot timing mode and coin counting capability with microprocessor technology for reliability and accuracy.

Two 4-position binary dipswitches allow users to select the number of coins as well as the time period.

The switches can accommodate from 1 to 15 coins and accurately set time periods from .5 to 7.5 minutes with excellent repeatability.

Options include an accumulation function, a last-coin alarm or an output to a coin counter.

When required, the unit can be supplied with a fixed factory-set coin count or time period.

MC series coin counters come complete with a relay capable of switching loads up to 20 amps, 1.5HP. The electronic components are encapsulated in a 2.5" square package for protection from the elements.

Timing Mode

Input voltage is applied continuously. After the correct amount of coins has been counted by the timer, the relay will energize for the selected time period. The unit will automatically reset, after the selected time period expires and is ready for another cycle.
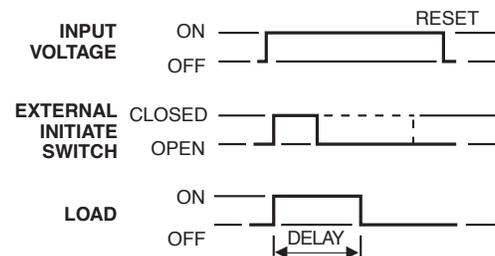

FEATURES

- **Coin mechanism debouncer**

- **Coin jam sensor**

- **Counts 1–15 coins**
  (fixed or adjustable with dipswitch)

- **Counts 0.5–7.5 minutes**
  (fixed or adjustable with dipswitch)

- **High current-carrying capacity—up to 20 amps, 1.5 HP**

- **100% Load isolation**

- **No leakage in N.O. position**

- **No heat sinking required**

- **Totally encapsulated for protection from harsh environments**

- **Transient protected**

- **No minimum load required**

- **100% Operational testing before shipping**

- **RoHS compliance available**
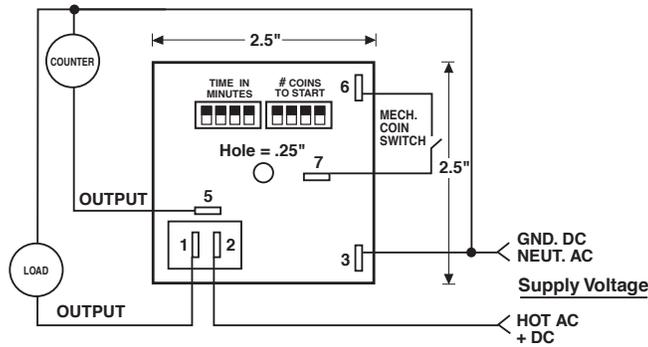
15 and 20 Amps

Number of Coins to Initiate and Time Delay Switch (Example)

ON ↕ OFF — = .5 Minute and 1 Coin

ON ↕ OFF — (.5+2) (1+4) = 2.5 Minutes and 5 Coins
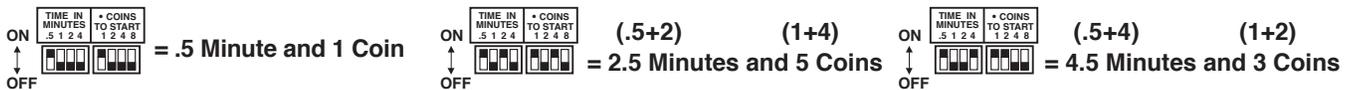
ON ↕ OFF — (.5+4) (1+2) = 4.5 Minutes and 3 Coins

Input Voltage: 120VAC, 50/60Hz

Time Delay:
> *Timing Mode:* Single Shot on Make
> *Type:* Digital CMOS – Programmable
> *Time Range:* 0.5–7.5 minutes (standard)
> *Others on request*

Repeatability: ±0.1%

Setting Accuracy: ±0.1% typical (fixed or variable)

Reset Time: 100 milliseconds

Relay Life Expectancy:
> *Mechanical:* Up to 10 million operations
> *Electrical:* 100,000 operations at max. load

Protection: *Transient Protection:* 18 joules
> *Dielectric Strength:* 1800V RMS 60Hz

Temperature Ranges:
> *Storage:* -40°C to +85°C
> *Operating:* -25°C to + 65°C

Coin Counter: Up to 15 (standard)
> *Others on request*

Series	Input Voltage	5 Digit Program Number (Established at the Factory to Customer's Application)	Number of Outputs (Maximum of 2)		
MC	1 120 VAC	**00210 =** Standard Unit with Output to Coin Counter	**First Digit**	=	# of 10 amp Outputs (Maximum of 1)
			Second Digit	=	Relay Suffix (H = 15 amps)
			Third Digit	=	# of 15 amp Outputs (Maximum of 1)
			Fourth Digit	=	Relay Suffix (J = 20 amps, 1.5 HP) (JN = 15 amps, 1.0 HP)

Specifications subject to change without notice.