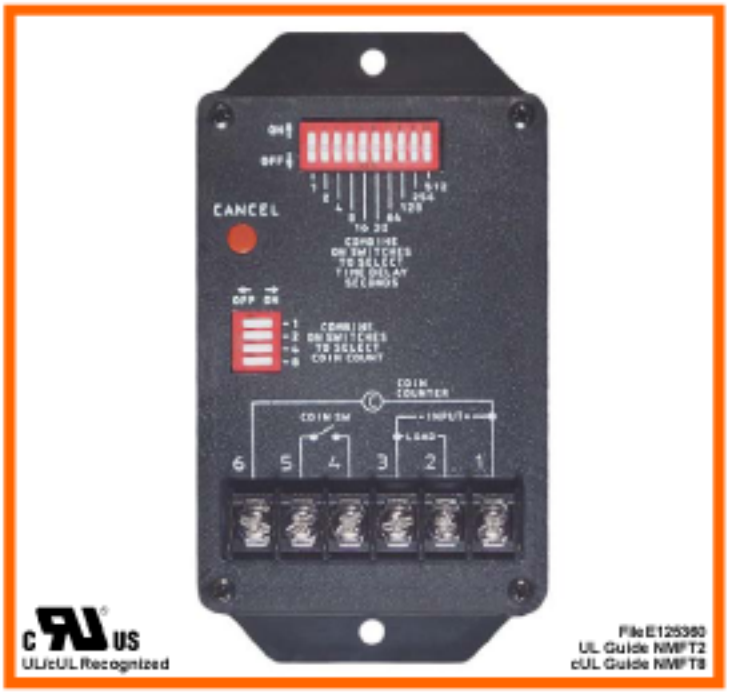
KLEEN-RITE CORP.
YOUR RELIABLE SUPPLIER FOR THE CAR WASH INDUSTRY

TIKR505 & TIKR540



FEATURES

- Microcontroller Based Circuitry
- Accumulates 1 to 15 Coins
- Multiple Time Delay Selection
- Dual Control: No Interfacing Totalizer and Timer
- Encapsulated To Withstand Harshest Environment
- 0.5% Repeat Accuracy
- Contacts Rated Up To 20 amps 2HP @ 240 VAC
- UL and cUL Recognized

SPECIFICATIONS

1. Time Delay.
- 1.1 Range: 2 Ranges available *(see ordering information)*
- 1.2 Adjustment: Knob Adjust 1-5 minutes
  Dip Switch Adjust 1-1023 seconds
- 1.3 Repeat accuracy: ±0.5% under fixed conditions
- 1.4 Setting accuracy:
  Knob ± 5%
  Binary DIP Switch ±1%
- 1.5 Recycle time: 500 milliseconds
- 1.6 Time delay vs. voltage and temperature: ± 2%

2. Input.
- 2.1 Operating voltage: 24, 120, 230 & 24/120 VAC
  (see ordering information)
- 2.2 Tolerance: ± 20% of nominal
- 2.3 Frequency: 50 - 60 Hertz

3. Output.
- 3.1 Type: High power electromechanical relay
- 3.2 Form: SPST, N.O. non-isolated
- 3.3 Rating: 20 amperes, 1HP @ 120 VAC,2HP @ 240 VAC
- 3.4 Life: Electrical - full load - 100,000 operations
  Mechanical - 1,000,000 operations

4. Count Functions.
- 4.1 Switch Type: Mechanical or Electronic
  (counts on closure of switch, consult factory for proper connections to electronic switches)
- 4.2 Minimum Switch Closure Time: 25 milliseconds
- 4.3 Minimum Switch Open Time (between closures):
  30 milliseconds minimum
- 4.4 Count Range: 1 to 15 switch closures
- 4.5 Count Adjustment: 4 position Binary DIP switch

5. Protection
- 5.1 Transient: Movistor protected to 10 joules
- 5.2 Dielectric breakdown: 1500 volts RMS minimum

6. Mechanical.
- 6.1 Mounting: End mounting ears #8 screw
  clearance (2 places)
- 6.2 Termination: (6) #6 screw terminals

7. Environmental.
- 7.1 Operating temperature: - 20°C to +80°C
- 7.2 Storage temperature: -30°C to +85°C
- 7.3 Humidity: 95% relative non-condensing

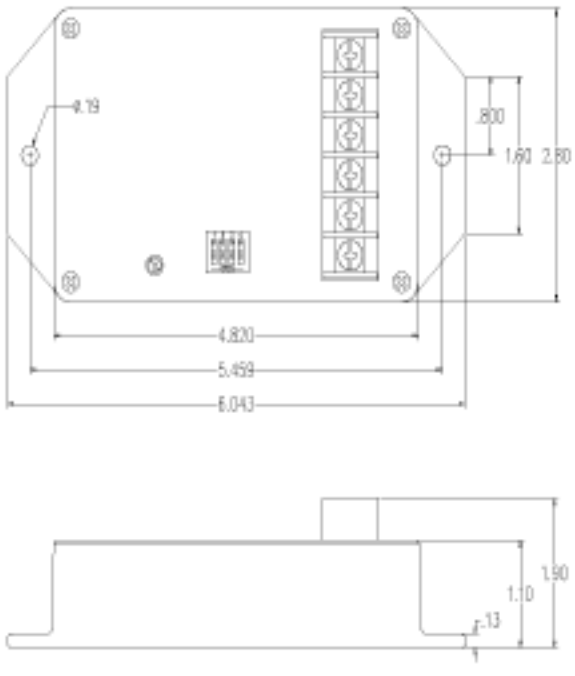
8. Impulse counter output.
- 8.1 Type: Solid state
- 8.2 Form: SPST, N.O.
- 8.3 Rating: 100 milliamperes maximum

Note: Impulse counter must be rated at 6VA max. and must operate on same voltage as timer.

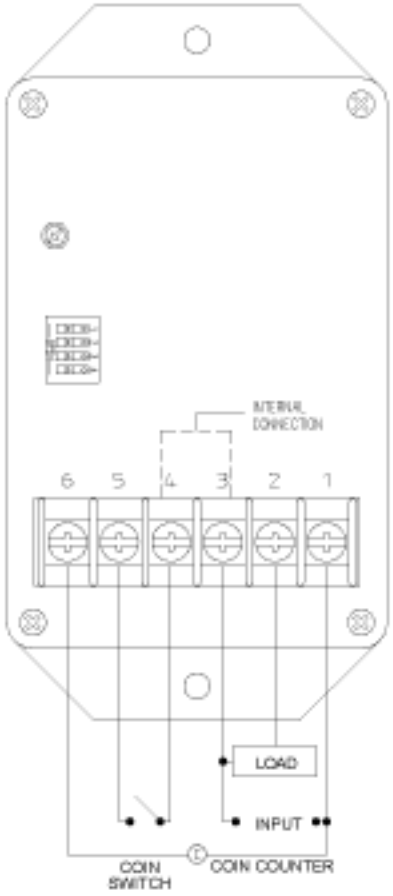
MODE OF OPERATION: TOTALIZER/TIMER

Power is applied to the unit at all times prior to and during timing. Coin switch closures are counted until their total equals the dip switch setting. In addition, each time a coin switch closure is counted, the impulse counter output provides a pulse to increment an external impulse counter. At this point the output contact transfers and the time delay begins. Upon completion of the preselected time delay the output contact reverts to its original position and the control resets. Removal and re-application of input power will reset the control.

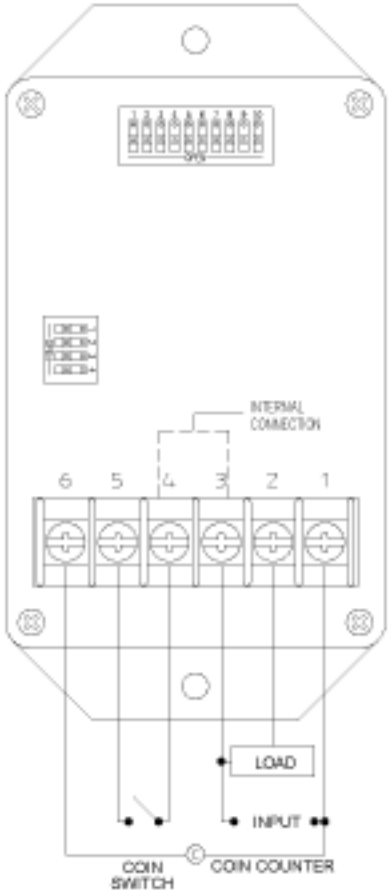
DIMENSIONS



CONNECTION DIAGRAMS

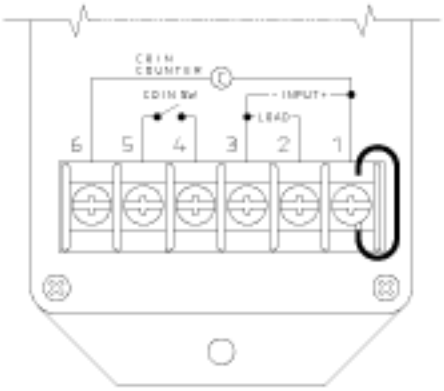


KNOB ADJUSTMENT



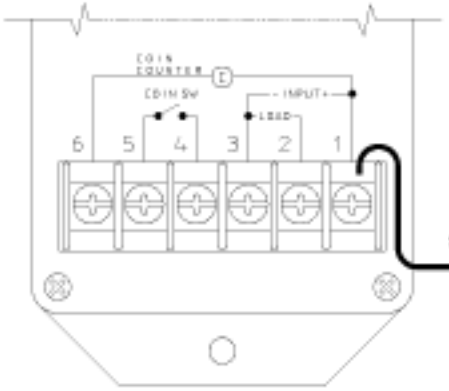
BINARY DIP SWITCH ADJUSTMENT

INPUT VOLTAGE OPTION 8 - 24/120VAC CONNECTION DIAGRAMS



Connect wire to Terminal 1 for 24VAC

24VAC CONNECTION



NOTE
When using on 120VAC, ensure wire does not touch any surrounding metal or terminals

Wire is not used for 120VAC

120VAC CONNECTION

ORDERING INFORMATION

SERIES	INPUT VOLTAGE	ADJUSTMENT	CANCEL BUTTON
ASCR	**4 -** 24 VAC **5 -** 120 VAC **6 -** 230 VAC **8 -** 24/120 VAC	**0 -** Knob (1 to 5 Minutes)	N/A
		4 - Binary Dip Switch (1 to 1023 Seconds)	C