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# AIS SERIES SIGNAL ACCUMULATOR SOLID STATE MODULE

## FEATURES

- C/MOS Digital Circuitry
- Dip Switch Settable
- Program 1-15 Counts
- Resets Automatically
- Fully Solid State
- Optically Isolated Output
- UL/cUL Pending

## SPECIFICATIONS

### 1. Count Functions

- 1.1 Switch Type: Mechanical or Electronic (counts on closure of switch, consult factory for proper connections to electronic switches)
- 1.2 Minimum Switch Closure Time: 25 milliseconds
- 1.3 Minimum Switch Open Time (between closures): 30 milliseconds minimum
- 1.4 Count Range: 1 to 15 switch closures
- 1.5 Count Adjustment: 4 position binary dip switch

### 2. Input

- 2.1 Operating Voltage: 24, 120, 230 VAC
- 2.2 Tolerance:  $\pm 20\%$  of nominal
- 2.3 Frequency: 50 - 60 Hertz

### 3. Output

- 3.1 Type: Solid State AC Triac
- 3.2 Form: SPST, N.O. Isolated
- 3.3 Rating: 100 milliamperes
- 3.4 Contact Closure: 200 milliseconds  $\pm 20\%$
- 3.5 Isolation: (Input to Output) 1500 VAC minimum

### 4. Protection

- 4.1 Transient:  $\pm 1500$  volts for 150 microseconds
- 4.2 Dielectric Breakdown: 1500 volts RMS minimum

### 5. Mechanical

- 5.1 Mounting: One #8 or #10 screw
- 5.2 Termination: 1/4" Quick Connect
- 5.3 Style: Surface Mount/Encapsulated

### 6. Environmental

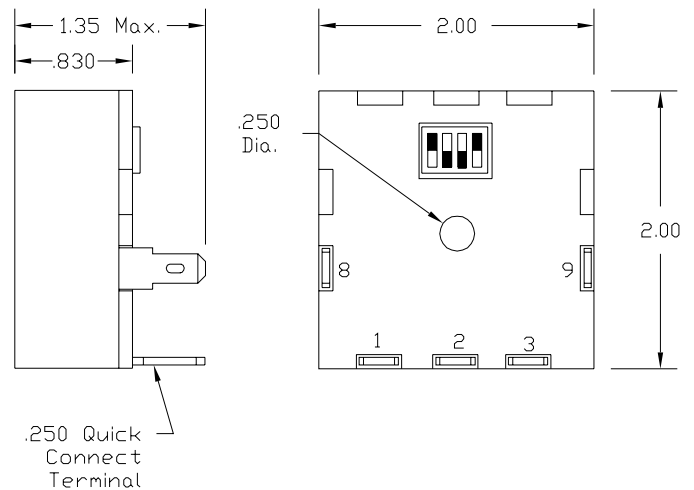
- 6.1 Operating Temperature:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- 6.2 Storage Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- 6.3 Humidity: 95% Relative Non-Condensing



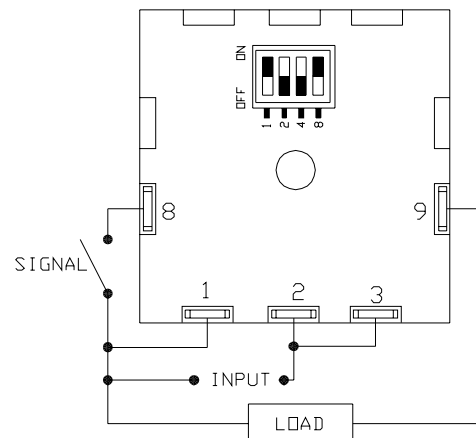
## MODE OF OPERATION

Input voltage is applied at all times. Coin switch closures are counted until their total equals the dip switch setting, causing the output to energize momentarily. The count is then reset to zero. **NOTE:** Unit will auto reset to new count setting without removing power.

## DIMENSIONS



## CONNECTION DIAGRAM



ORDERING INFORMATION	
SERIES	INPUT VOLTAGE
AIS	4 - 24 VAC 5 - 120 VAC 6 - 230 VAC