

## ARTISAN Model 438USA

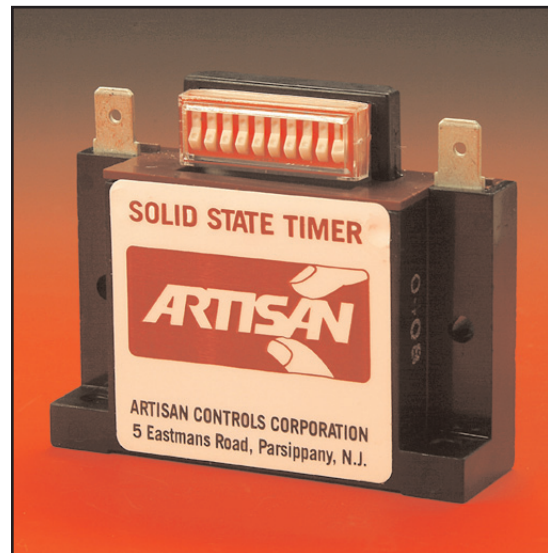
- **Universal Delay On Make Timer**

### About the Model 438USA...

The model 438USA Universal Switch Adjustable Time Capsule® is an all solid state timer providing delay-on-make control of any load device operating from 24 to 240 volts AC or DC. The 438USA controls any one ampere load such as a relay, solenoid or lamp.

Timing is set via a binary coded dip switch and is adjustable from 1 to 1024 seconds. With all switches closed there is an internal one second delay and with all switches in the open position, there is a 1024 second delay time.

When power is applied, the 438USA remains in the "off" state, allowing only leakage current to flow. When the pre-set time period has elapsed, the 438USA switches "on" allowing full current to flow and the load to energize. The load remains energized as long as power is applied. When power is removed for a minimum of 50ms, the 438USA resets and is ready for another timing period..



• **UL Recognized** • **CSA Certified**

## SPECIFICATIONS

Operating Voltage: 24 to 240 Volts AC or DC, 50/60 Hz.

Timing Mode: Delay-on-make

Timing Range: 1 to 1024 seconds

Timing Adjustment: 10 position DIP switch located between power terminals. Opening of any switch position adds its associated time value to the total timing period set. Unit has a (1) second internal minimum time delay.

Timing Tolerance: + 10% of set point

Timing Variation: + 15% at any combination of operating voltage and temperature.

Timing Repeatability: + 1% at stabilized operating voltage and temperature.

Output Rating: 10 milliamperes to 1 Ampere inductive. Inrush currents to 25 Amperes for 8 milliseconds.

Output Voltage Drop, "On" State": 4 Volts maximum, 3 Volts nominal.

Output Leakage Current "Off" State: 0.6 mA @ 24V, 1.8mA@48V, 5.4mA@120V, 11.4mA@240V.

Recycle Time: 50 milliseconds after a timing cycle, 200 milliseconds during a timing cycle.

Transient Protection: 8 Joules

Operating Temperature: -20°C to +85°C.

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