



QFPS SERIES POSITIVE SWITCHING SOLID STATE FLASHER

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FEATURES

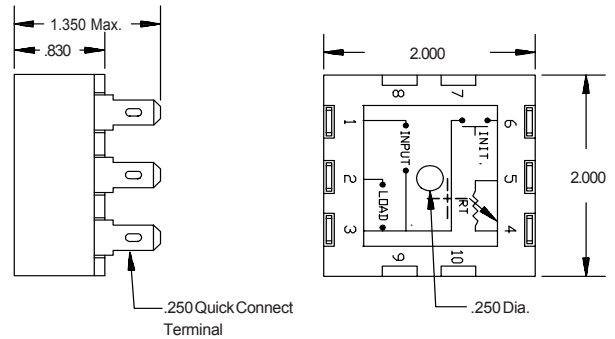
- C/MOS Digital Circuitry
- Flash Rates From 30 to 90 FPM
- No First Cycle Effect
- Fully Solid State And Encapsulated
- Output Rated at 1 Ampere Continuous, 10 Amperes Inrush
- Inductive, Resistive or Incandescent Loads
- Small Size
- UL/cUL Pending

SPECIFICATIONS

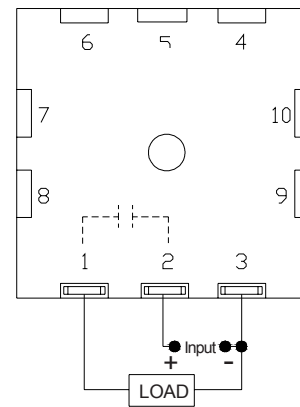
- 1. Input.**
 - 1.1 Operating voltage: 12, 24/28 & 36 VDC
 - 1.2 Tolerance: $\pm 15\%$ of nominal
- 2. Output.**
 - 2.1 Type: Solid state
 - 2.2 Form: SPST
 - 2.3 Rating: 1 amp steady state, (10 amp inrush, 20 mA. min.)
 - 2.4 Life: 100,000,000 operations minimum under full load
- 3. Flash Rate.**
 - 3.1 Standard FPM: 30, 45, 60, 75, 90 ($\pm 20\%$)
(at nominal operating voltage)
 - 3.2 ON / OFF Ratio (Duty Cycle): Approximately 50%
- 4. Protection.**
 - 4.1 Transient: 1500W Transorb
 - 4.2 Polarity: Reverse polarity protected
 - 4.3 Dielectric breakdown: 1500 volts RMS minimum
- 5. Mechanical.**
 - 5.1 Mounting: One #8 or #10 screw
 - 5.2 Termination: 1/4" quick connect terminals
 - 5.3 Style: Surface mount encapsulated
- 6. Environmental.**
 - 6.1 Operating temperature: -20°C to $+80^{\circ}\text{C}$
 - 6.2 Storage temperature: -30°C to $+85^{\circ}\text{C}$
 - 6.3 Humidity: 95% relative non-condensing



DIMENSIONS



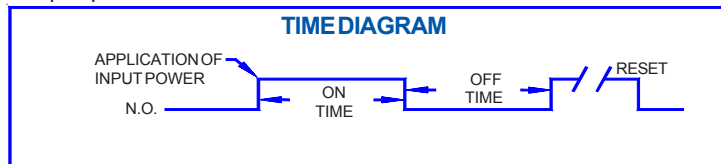
CONNECTION DIAGRAM



MODE OF OPERATION

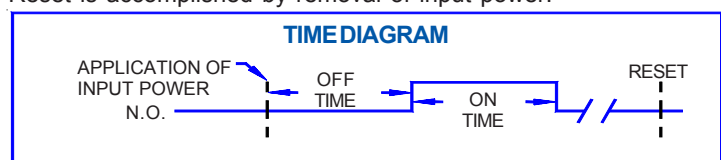
ON/OFF FLASHER

Upon application of power to the input terminals, the **ON** delay begins and the output contact transfers. Upon completion of the **ON** delay, the output contact reverts back to its original position and the **OFF** delay begins. Upon completion of the **OFF** delay, the output contact again transfers and the cycle repeats. Reset is accomplished by removal of input power.



OFF/ON FLASHER

Upon application of power to the input terminals, the **OFF** delay begins. Upon completion of the **OFF** delay, the output contact transfers and the **ON** delay begins. Upon completion of the **ON** delay, the output contact reverts to its original position and the cycle repeats. Reset is accomplished by removal of input power.



ORDERING INFORMATION

SERIES	INPUT VOLTAGE	ADJUSTMENT	CYCLE	FLASH RATE
QFPS	1 - 12 VDC 2 - 24/28 VDC 9 - 36 VDC	1 - Fixed	1 - On Time First 2 - Off Time First	30 (FPM) 45 60 75 90