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On Adjustable Flash Rate: Minimum Flash Rate - 15\%, +0\%. Maximum Flash Rate - 0\%, +15\%
External Flash Rate Resistor Range: 0 to 1 meg ohm for both flash rate -1 and -2 .
Flash Rate Resistor Rating: Worst case power dissipation never exceeds 3 milliwatts.
Flash Rate Variation: Less than $6 \%$ of set point over full temperature and voltage range.
Repeatability Of Flashing Period: $\pm 1 \%$ at stabilized operating voltage temperature.
Recycle Time: Operating voltage must be removed for a minimum of 200 milliseconds to assure that the flasher and output circuits are reset.
Output Rating: 70 mA to 5 A inductive with inrush currents to 40 A for 8 milliseconds.
Extending Rating: Operation to 10A by mounting the timer heat sink base on a metal surface and maintaining timer heat sink temperature to less than $90^{\circ} \mathrm{C}$.
Output Switch Characteristics: 3 volt drop across output switch when ON, 4 mA leakage when OFF.
Transient Protection: Output Switch protected by silicon transient suppressors responding to transients within $1 \times 10^{-12}$ seconds to a peak pulse power dissipation of 1500 watts, with transient surge currents to 200 amperes for durations up to $1 / 120$ second at $25^{\circ} \mathrm{C}$. Maximum transient voltage protection is 6000 volts as delivered through a source resistance of 30 ohms with a maximum duration of 8.3 ms .
Dielectric: 1500 V rms all terminals to heat sink, 1500 V rms from control voltage terminals to output terminals. Control voltage is optically isolated from the output switching terminals.
Operating Temperature: $-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
Construction: Encapsulated module with .25 quick connect wiring terminals.
Agency Recognitions: UL File \#E47858 (Component Appliance Controls \#ATNZ2)
Data Sheet Revision Date: May 22, 2006
Ordering Information All Models

| Part Number | Control Vo |  | Rating | FPM |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 4215 F- \\ \text { Fixed } \\ \text { Flash Rate } \end{gathered}$ | -1 (5V DC) | -6 (24V AC) | -A (1 Amp) <br> -B (5 Amp) | Fixed Flash <br> Rate (4215F) |
|  | -2 (12V DC) |  |  |  |
|  | -3 (24V DC) |  |  | Specify 1-250FPM |
|  | -4 (48V DC) |  | -B (10 Amp) Requires Additional Heat sink |  |
| 4215A - <br> Adjustable <br> Flash Rate | $\begin{array}{ll}-5 & (12 \mathrm{~V} \mathrm{AC}) \\ -6 & (24 \mathrm{~V} \text { AC) }\end{array}$ | $\begin{array}{ll} -7 & (48 \mathrm{~V} A C) \\ -8 & \text { (115V AC) } \end{array}$ |  | Adjustable Flash Rate (4215A) |
|  | -7 ( 48 V AC) |  |  |  |
|  | -8 (115V AC) | -9 (230V AC) |  | -1 1-60 FPM |
|  | -9 (230V AC) |  |  | -2 5-250 FPM |

## Examples Of Part Numbers.

$4215 \mathrm{~F}-1-8-\mathrm{A}-60 \mathrm{FPM}$ is a model 4215 F with 5 V DC Control Voltage, 115 V AC load operating voltage, 1 ampere output switch, with a fixed flash rate of 60 flashes-per-minute (FPM) $\pm 10 \%$.

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