

DC Dimmer PWM-500-12

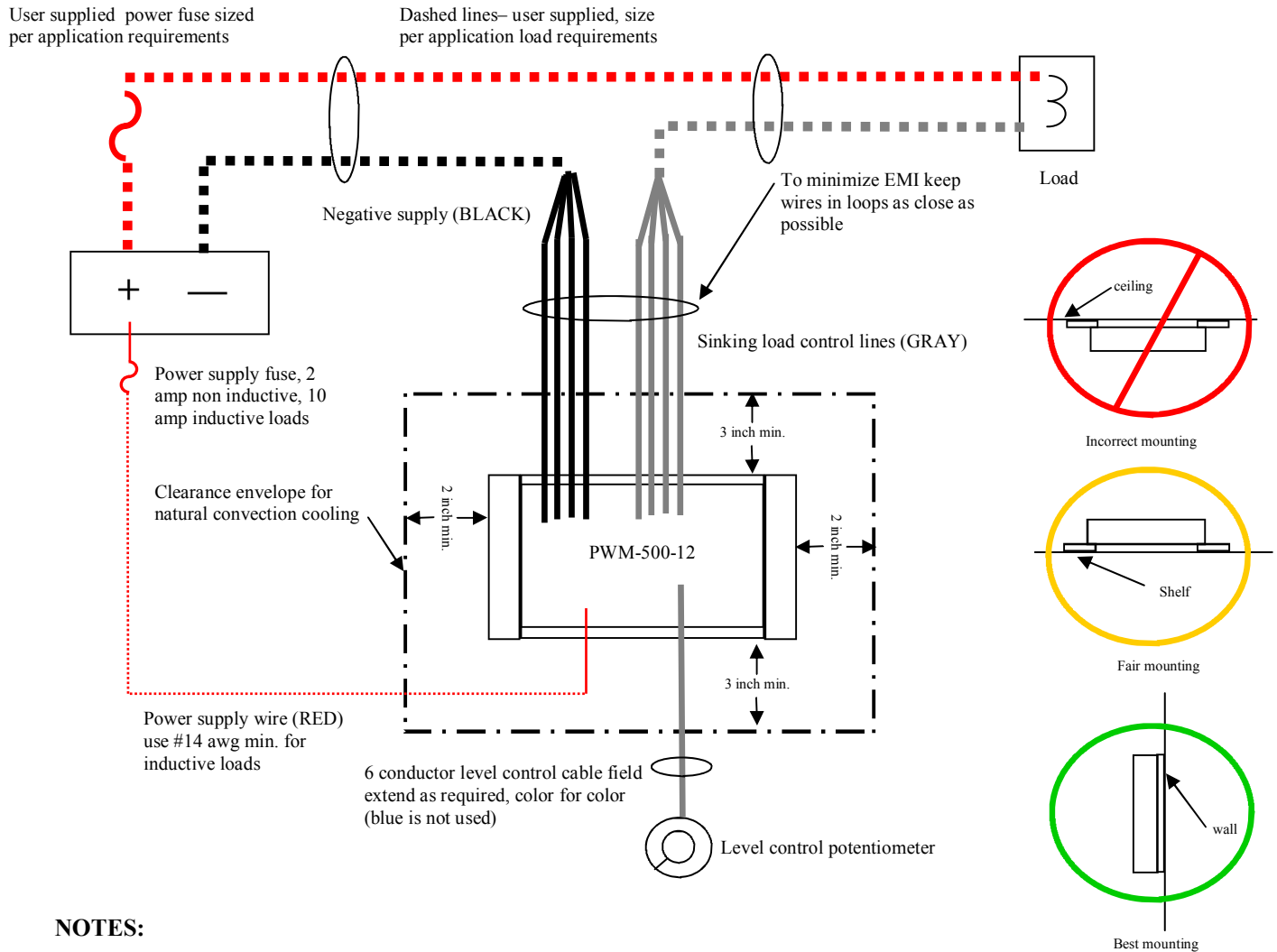
Functional description

The PWM-500-12 is a 500 watt, 12 volt DC, pulse width modulation, potentiometer controlled, DC dimmer and motor speed control. It can be used for dimming 12 volt halogen, incandescent or LED dimming. Great care was taken during product development to optimize the PWM period to eliminate halogen filament ringing, eliminate LED flicker and minimize switching losses to maximize efficiency.

Specifications

Supply voltage	12vdc nominal	9vdc min.	20vdc max.
Power	500 watts	42 amps sinking at 12vdc	

Wiring



NOTES:

- 1) **IMPORTANT** Prior to final connection of the power source turn level control to minimum or fully counter clockwise.
- 2) The gray and black parallel wires to be equal length respectively.
- 3) Thermal overload will shut the dimmer off at 150 degrees F. Investigate cause of overload. Unit must be power cycled to regain operation.