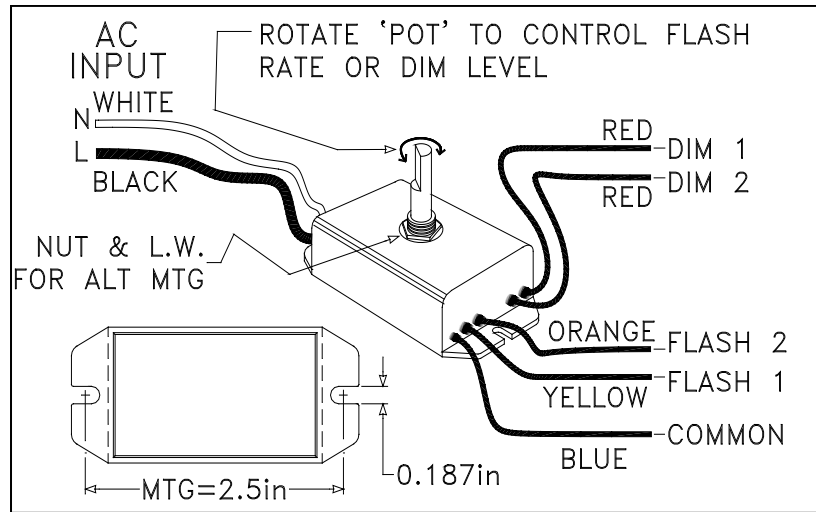


VT-DF01 DIMMER-FLASHER TEST PROCEDURE



EQUIPMENT:

- 1) 120Vac 60 Hz Power Source
- 2) 2 Channel Scope

Caution: Output of Unit is common with Input Neutral through a Diode.

FLASHING TEST SETUP:

1) Connect Unit Input to 120V AC 60 Hz power source

- A. Confirm 120V AC Power is switched OFF.
- B. Confirm White Lead from Unit is connected to White (NEUTRAL) lead from power source
- C. Confirm Black lead from Unit is connected to Black (LIVE) lead from power source

2) Connect and Set Scope;

- CH1 NEG (GND) test lead to Unit Blue lead // POS test lead to Unit Yellow lead
- CH2 NEG (GND) test lead to Unit Blue lead // POS test lead to Unit Orange lead
- Timebase: 50 ms Vert CH1: 5V/div Vert CH2: 5V/div Trigger: CH1 Pos Slope

3) Rotate POT counter-clockwise to end-stop. Confirm unused Unit leads are isolated from other leads / Earth / Input.

4) Apply 120V AC power and confirm Following:

- A. CH1 square wave 180-220 ms period and approx 10v amplitude
- B. CH2 Alternating square wave with respect to CH1 (CH1- Hi CH2- Lo)

5) Change timebase to 1 second. Rotate POT clockwise to end-stop and confirm following:

- C. Both channels square wave 6-4 seconds per half-period (total cycle time = 8 -12 sec)



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DIMMING TEST SETUP:

1) Connect Unit Input as in Flash Test above. POT rotated fully clockwise.

2) Connect and Set Scope;

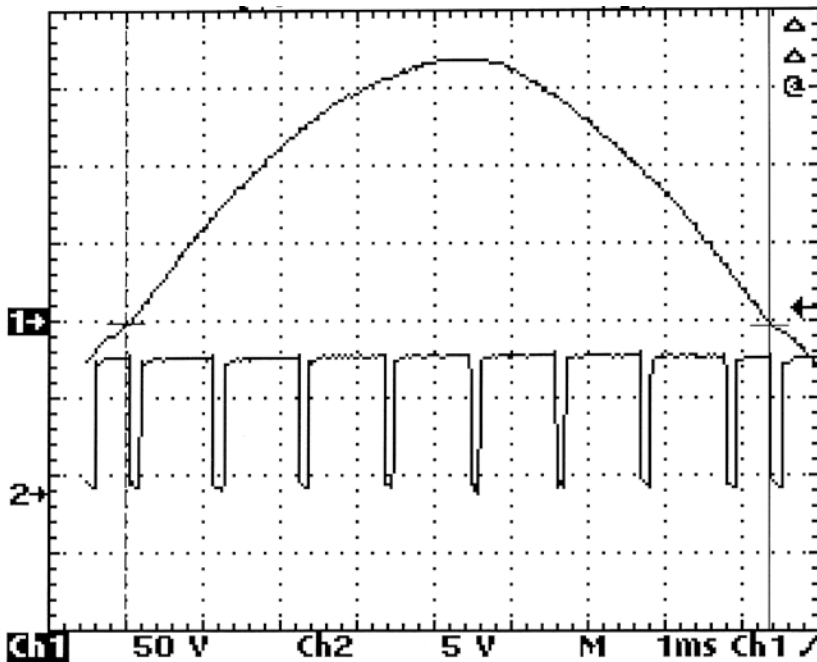
- CH1 NEG (GND) test lead to Unit Blue lead // POS test lead to Input Black (Live) lead.
Timebase: 1 ms Vert CH1: 50V/div Trigger: CH1 Pos Slope
- CH2 NEG (GND) test lead to Unit Blue lead // POS test lead to Unit Red lead (Either one)
Vert CH2: 5V/div

3) Apply 120V AC power and confirm Following:

- a. CH1 - Half Sinewave 8.3ms (ie- from Zero Crossover to Zero Crossover)
- b. CH2 - ~0 volts straightline

4) Rotate POT counter-clockwise to end-stop and confirm Following:

- a. CH1 - Half Sinewave 8.3ms (ie- from Zero Crossover to Zero Crossover)
- b. CH2 - 8 Pulses within the 8.3ms period (see Typical Scope Image Below)



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