

36388-MD

150W PWM Speed Control DC Speed Control

Snap-in, High-power PWM DC motor speed control with front panel output ON/OFF, Soft Start, Adjustable Duty Cycle & Frequency. Retains all function settings with power off.

Input: 5V-30VDC

Rated Current: 5A 15 Peak

Power: 150W(Max)

Duty Cycle: 0%-100%

Duty Cycle Resolution: 1%

Frequency: 1KHz-99KHz

Frequency Accuracy: 1%

Frequency Resolution: 1KHz

Cutout: 77mm x 40mm

W: 79mm **H:** 43mm **D:** 40mm **WT:** .14

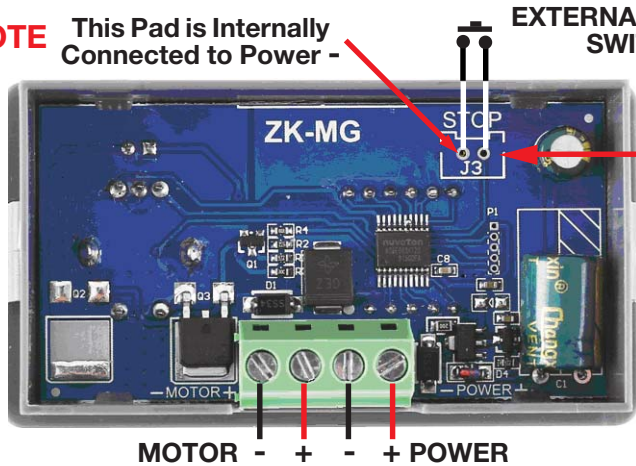
OUTPUT
Lit: ON
Dark: OFF



DIGITAL POT

CONNECTION DIAGRAM

NOTE This Pad is Internally Connected to Power -



EXTERNAL OUTPUT "ON/OFF" SWITCH (SPST-NO)

"STOP" Pads:
Used to connect a remote SPST-NO Momentary Pushbutton Switch to turn Output ON/OFF(Alternates each press).

NOTE Motor + and Power + Connected Internally

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SETUP

GENERAL

- 1: Short Press: Momentary (Press & Release)
- 2: Long Press: Press & Hold for >"3" sec. OR Display Changes (Release after)

NOTE: Normal Display default is **Duty Cycle**

- 3: Connect Power (BE SURE OF CORRECT POLARITY)

**NOTE: DEFAULT IS OUTPUT "ON" AT POWER UP.
DO NOT CONNECT LOAD UNTIL SETUP IS FINISHED**

- 4: Normal Mode: (Duty Cycle "Speed" Adjust)

- 4.1: Short press Digital Pot: Turn Output ON/OFF (Alternate Action)
- 4.2: Increase Duty Cycle: Rotate Digital Pot clockwise:
- 4.3: Decrease Duty Cycle: Rotate Digital Pot counterclockwise

- 5: Limit (Parameter) Set Mode: Long press Digital Pot to select the Parameter Set Mode.

- 5.1: Short press Digital Pot to scroll through parameters:

Duty Cycle Lower Limit, Upper Limit and Output Frequency

5.1.1 Lower Limit Value: Display shows "L" and a 2 digit number.

Upper Limit Value: Display Shows "H" and a 2 digit number OR "100" (100%)

5.1.2 Output Frequency display in "F" and 2 digit number

- 5.2: Increase Upper Duty Cycle Limit: Rotate Digital Pot clockwise
Decrease Upper Duty Cycle Limit: Rotate Digital Pot counterclockwise
- 5.3: Increase Lower Duty Cycle Limit: Rotate Digital Pot clockwise
Decrease Lower Duty Cycle Limit: Rotate Digital Pot counterclockwise
- 5.4: Set Frequency:
Increase Frequency: Rotate Digital Pot clockwise
Decrease Frequency: Rotate Digital Pot counterclockwise
- 5.5 : Long press Digital Pot: Exit and Save Settings. Return to Normal Mode



EXAMPLE

- 6: Connect load (SEE CONNECTION DIAGRAM)

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