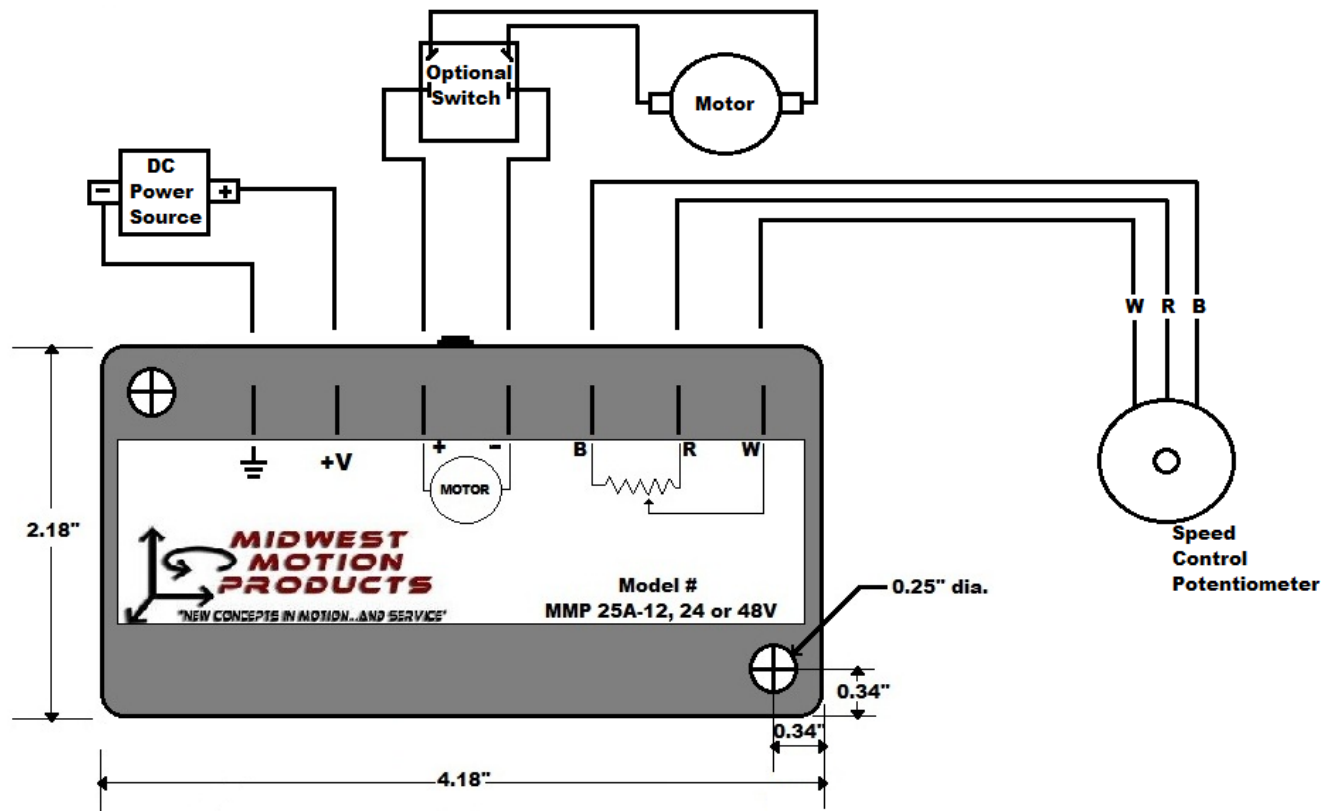**MMP 25A-12V, 24V and 48V Interconnect Diagram:**

APPLICATION NOTES: A SPEED ADJUST POTIOMETER IS SUPPLIED WITH EACH UNIT. THE OPTIONAL SWITCH SHOWN IS USER SUPPLIED.** ANALOG COMMAND OPTIONS: 1.) FOR ZERO VOLTS = FULL SPEED, AND + 5Vdc= NULL. CONNECT THE VOLTAGE GROUND TO THE RED (R) TERMINAL AND THE + 5V TO THE WHITE (W) TERMINAL (WIPER) ON THE CONTROL. THERE IS N/C TO THE BLACK TERMINAL. 2.) TO ACHIEVE A +5V = FULL SPEED AND 0V = NULL, CONNECT THE EXTERNAL +5V SIDE TO THE BLACK TERMINAL, AND THE COMMON TO THE WHITE. BE SURE NOT TO EXCEED 5 VOLTS INPUT OR DAMAGE TO CONTROL CAN RESULT.
WHEN USING EITHER ANALOG COMMAND OPTION, NOTE THAT ANY IMPROPER CONNECTION SCHEME MAY RESULT IN "MOTOR RUNAWAY" OR FULL SPEED WITH NO CONTROL.

PLEASE NOTE: INTERRUPTING THE CONNECTION TO THE WIPER *IS* A PREFERRED MEANS TO INHIBIT THE OUTPUT OF THE CONTROL, TO STOP MOTOR.
*PROPER FUSING / OVER-CURRENT PROTECTION IS REQUIRED. ON-BOARD PROTECTION IS NOT INCLUDED.

NOTE: ALL THREE OF THESE UNIQUE PRODUCTS (25A-12V, 24V, AND 48V) HAVE BEEN SUCCESSFULLY APPLIED IN "HHO" GENERATORS. THE SWITCHING FREQUENCY IS 22 KHz.

WE ALSO OFFER MMP 20A-(12)V-RSP, WHICH HAS A BUILT-IN REVERSING SWITCH, AND SPEED-ADJUST POTIOMETER. (also available in 24 and 48 VDC configurations)

IMPORTANT: When connecting INPUT POWER, proper polarity must be observed or damage to Control WILL result. Protect the unit from OVERCURRENT by using a 20A or 25A Slow Blow Fuse, in line with the (+) Power Input terminal.

Servo Amplifier/System Usage Guidelines

When installing a motor, gearmotor, motor control or servo amplifier, universally accepted engineering practices should always be observed. Please feel free to refer to MMP's General Tips webpage for general information regarding proper motor, gearmotor, motor control and servo amplifier usage, to help ensure proper performance, and complete satisfaction with your application.

For more information, please contact our Sales Office at:
320-490-7060 or email: sales@midwestmotion.com