

MEPC214 – Proportional Valve Amplifier



- Adjustable minimum-maximum output current
- Reverse polarity protection
- Voltage spike protection
- Programmable PWM and Dither frequency
- 0-5V, 0-10V and 4-20mA control

1. Description

MEPC214 provides proportional control over hydraulic valves. MEPC214 provides 0-5V, 0-10V and 4-20mA controls and adjustable minimum-maximum output current over the hydraulic valve via trimpots. Control input type can be set with the 3-position switch on card by the user. MEPC214 is protected against voltage spikes and reverse polarity. PWM and Dither frequencies can be programmed according to the characteristics of the specified hydraulic valve by the supplier.

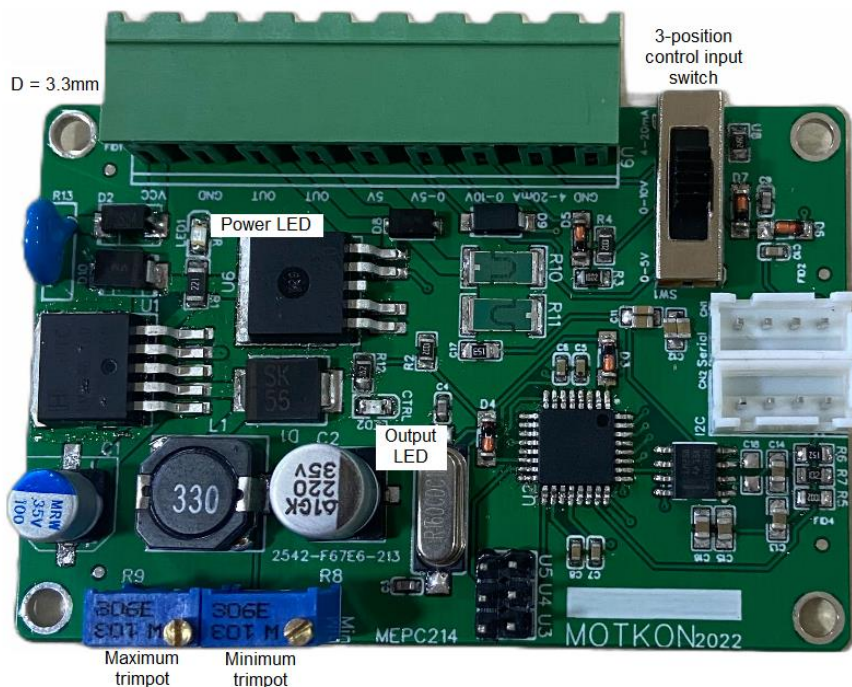
2. Area of Use

- Road maintenance vehicles
- Municipal vehicles
- Agricultural machines
- Forestry machines
- Construction machines

3. Technical Data

	Unit	Description, value
Supply voltage	V DC	10-30
Operating temperature	C°	[-20, 50]
Connection type		Screw terminal / pluggable block, 9-pins
Protection class		IP 00
Dimensions	mm	49 x 75 x 15
Maximum output current	A	2,5
Dither frequency	Hz	Programmable in the interval [100, 500]. Please contact supplier.
PWM frequency	Hz	Programmable in the interval [100, 5000]. Please contact supplier.
Status indicators		Green LED: Power Yellow LED: Output

4. Functions



5. Connections

Pin name	Function
GND	Control GND (-)
4-20mA	Control input for 4-20mA control
0-10V	Control input for 0-10V control
0-5V	Control input for 0-5V control
5V	5V (+)
OUT	Coil connection 1
OUT	Coil connection 2
GND	GND (-)
VCC	Power (+)

Wiring diagram

