

5212

CURRENT REGULATED POWER SUPPLY

DESCRIPTION

The 5212 is a 0-1A current-regulated 24 VDC power supply and display that is designed for use with Magtrol's hysteresis brakes and clutches. It features a 10-turn current adjustment potentiometer and 3 selectable current ranges: 200 mA, 500 mA, and 1000 mA. A convenient built in panel meter displays the value of output current.

The 5212 is designed as a closed-loop power supply to provide smooth application of current throughout an entire range up to a maximum set point. By utilizing regulated current, fluctuations in brake torque caused by temperature changes within the brake coil are eliminated. Braking current can be controlled manually from the front panel using the 10-turn potentiometer. Alternatively, if remote operation is required, the 5212 can be controlled by an external source using the 0-5 VDC control input located on the rear panel.

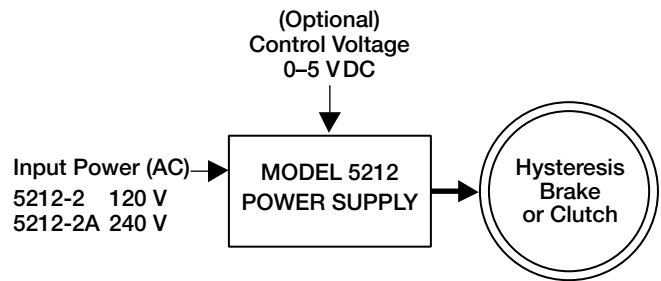


Fig.1 : 5212 Current Regulated Power Supply

SPECIFICATIONS

Brake Voltage	24 VDC		
Current Ranges	0-200 mA, 0-500 mA, 0-1000 mA		
Current Regulation	±1% Full Scale		
Braking Control	10-Turn Potentiometer (front panel) or 0-5 VDC External Control (back panel)		
Line Fuse (5 x 20 mm)	5212-2: 120 V IEC	1.0 A	250 V T
	5212-2A: 240 V IEC	0.4 A	250 V T
Brake Fuse (5 x 20 mm)	IEC	1.25 A	250 V T
Power Requirements	70 VA		
Voltage Requirements	120/240 VAC 50/60 HZ		
External Control Impedance	1 M Ohms		

SYSTEM CONFIGURATION



DIMENSIONS

Width	7.50 in	190 mm
Depth	9.75 in	245 mm
Height	2.75 in	69 mm

ORDERING INFORMATION

5212-2 Current Regulated Power Supply 120 VAC
 5212-2A Current Regulated Power Supply 240 VAC