

# Model 5210 Current-Regulated Power Supply

## DESCRIPTION

The 5210 is a current-regulated power supply and display that is designed for use with Magtrol's Hysteresis Brakes and Clutches. With regulated current, torque drift caused by temperature changes within the brake coil is eliminated. The 5210 is a solid-state control that provides smooth application of current from zero to maximum.

The 5210 is available in either 12, 24 or 90 VDC voltages, corresponding to the available hysteresis brake/clutch coil voltage options. Braking power can be controlled manually from either the 10-turn potentiometer and adjustment knob on the front panel, or externally from the 0–5 VDC input when remote operation is desired. An LCD readout conveniently displays the applied braking current.



### Dimensions

<b>Width</b>	7.50 in	190 mm
<b>Depth</b>	9.75 in	245 mm
<b>Height</b>	2.75 in	69 mm

## SPECIFICATIONS

	<b>5210-1</b>	<b>5210-2</b>	<b>5210-3</b>
<b>Brake Voltage</b>	0 to 90 VDC	0 to 24 VDC	0 to 12 VDC
<b>CURRENT RANGES:</b>			
Low Scale	0 to 50 mA	0 to 200 mA	0 to 300 mA
Medium Scale	0 to 150 mA	0 to 500 mA	0 to 750 mA
High Scale	0 to 300 mA	0 to 1000 mA	0 to 1500 mA
<b>Current Regulation</b>	± 1% Full Scale		
<b>Braking Control</b>	10-turn potentiometer (internal) or 0–5 VDC input (external)		
<b>Brake Fuse (5 × 20 mm)</b>	UL/CSA 0.400 A 250V SB IEC 0.315 A 250V T	UL/CSA 1.25 A 250V SB IEC 1.00 A 250V T	UL/CSA 2.00 A 250V SB IEC 1.60 A 250V T
<b>Line Fuse (5 × 20 mm)</b>	120 V: UL/CSA 1.0 A 250V SB 240 V: IEC 0.4 A 250V T		
<b>Power Requirements</b>	100 VA		
<b>Voltage Requirements</b>	120/240 VAC 50/60 Hz		

*Due to the continual development of our products, we reserve the right to modify specifications without forewarning.*



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