

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

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

SPECIFICATIONS

	5210-1	5210-2	5210-3
Brake Voltage	0 to 90 VDC	0 to 24 VDC	0 to 12 VDC
CURRENT RANGES:			
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
Current Regulation	± 1% Full Scale		
Braking Control	10-turn potentiometer (internal) or 0–5 VDC input (external)		
Brake Fuse (5 × 20 mm)	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
Line Fuse (5 × 20 mm)	120 V: UL/CSA 1.0 A 250V SB 240 V: IEC 0.4 A 250V T		
Power Requirements	100 VA		
Voltage Requirements	120/240 VAC 50/60 Hz		

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



www.magtrol.com

MAGTROL INC

70 Gardenville Parkway
Buffalo, New York 14224 USA
Phone: +1 716 668 5555
Fax: +1 716 668 8705
E-mail: magtrol@magtrol.com

MAGTROL SA

Route de Montena 77
1728 Rossens/Fribourg, Switzerland
Phone: +41 (0)26 407 3000
Fax: +41 (0)26 407 3001
E-mail: magtrol@magtrol.ch

Subsidiaries in:

Germany • France
China • India
Worldwide Network
of Sales Agents

