

5251-2

CURRENT REGULATED POWER SUPPLY

DESCRIPTION

Model 5251-2 is an open frame, 0-1A current regulated power supply for use with Magtrol hysteresis brakes and clutches. It has a high input impedance that allows for a variety of sensors and transducers to be used. It features a selectable 0-100 mV/0-5 VDC monitor out that allows connection to a PLC, voltmeter, display or other monitoring device. This allows the user to monitor the current applied directly to the brake or clutch, if desired. With regulated current, torque drift caused by temperature changes within the brake coil is eliminated. Braking control is enabled by using either a 10-turn potentiometer or by an external 0-5 VDC control signal.

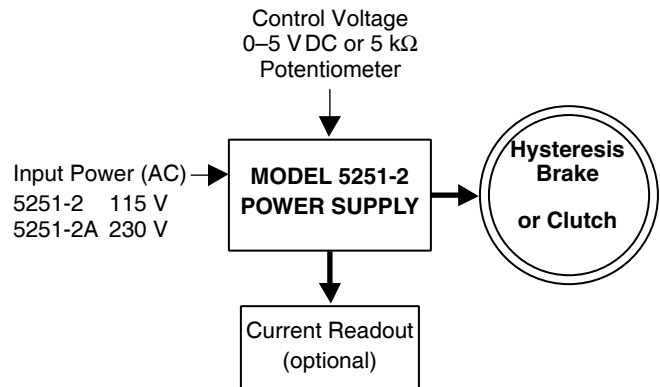


Fig. 1 : 5251-2 Current Regulated Power Supply

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 or 0-5 VDC External Control					
Current Monitor Output	Selectable Ranges: 0-200 mV DC 0-500 mV DC 0-1000 mV DC 0-5 V DC					
Line Fuse (5 x 20 mm)	5251-2:	115 V	IEC	1.0 A	250 V	T
	5251-2A:	230 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	115/230 VAC 50/60 HZ					
Max. Compliance Voltage	45 VDC					

SYSTEM CONFIGURATION



ORDERING INFORMATION

5251-2 Current Regulated Power Supply 115 VAC
 5251-2A Current Regulated Power Supply 230 VAC