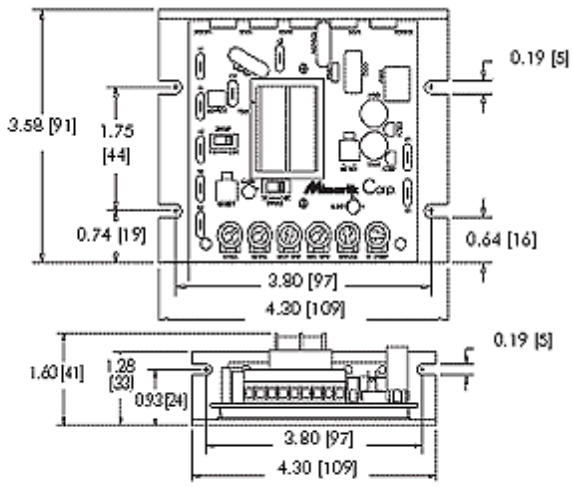


**Item # 11-2269**  
**MINARIK model MM23001C**  
**SCR MOTOR SPEED CONTROL**  
**FOR DC MOTORS**

**DIMENSIONS**



The MM23000C Series of drives are a reliable and cost-effective solution for controlling your permanent magnet or shunt-wound DC motors in variable-speed applications. Both the MM23001C and the MM23011C use SCRs to provide full-wave rectification of the AC line input. These dual voltage drives operate using 115 VAC or 230 VAC, 50/60 Hz, to operate 90 or 180 VDC SCR brush-type motors. These MM drives control motors from 1/20 to 2 Hp.

Packaged in a compact footprint, these user-friendly drives possess diagnostics and options to accommodate user needs. A current limit header, allows the drive to send a signal indicating current limit to an external control. Also, users can minimize wiring problems by specifying the "-Q" option to make all wire connections to the screw terminals of a quick-connect removable terminal block.

Specifications						
Models	Input Voltage (VAC)	Output Voltage (VDC)	Field Supply (VDC)	Max Output Current (ADC)	Form Factor	Hp Rating
MM23001C*	115/230	0-90 or 0-180	50/100/200 (1 Amp)	10.0*	1.37	1/8-1 @ 90 VDC or 1/4-2 @ 180 VDC

\*The 223-0159 heatsink must be used when the MM23001C outputs above 5 amps. Drives operate from 50 - 60 Hz.

- **MM footprint:** An extremely compact size in an industry standard mounting footprint.
- **Speed range and regulation:** 1% regulation over 60:1 speed range.
- **User adjustable calibration pots:** IR compensation, min speed, max speed, current limit, acceleration and deceleration.
- **Diagnostic LED:** LED for current limit status.
- **Stopping Modes:** Coast to minimum speed with inhibit terminals (N.O.), decelerate to min speed through pot circuit. External dynamic braking can be added.
- **Spade terminals:** Easy to use, lower cost, and able to fit in a smaller package.
- **Additional features:** Dual voltage AC input and field voltage for shunt wound motors.
- **Options and accessories:** "-Q" option includes quick disconnect terminal, power LED and a current limit header that outputs 5VDC when the drive is in current limit. DLC600 digital controller. PCM4 isolator card. 201-0024 inhibit plug with 18" leads.