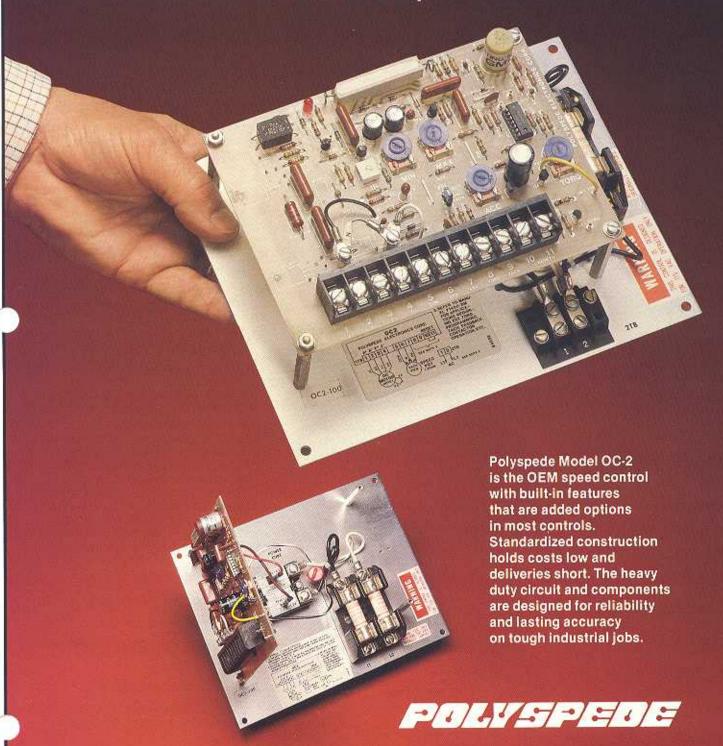
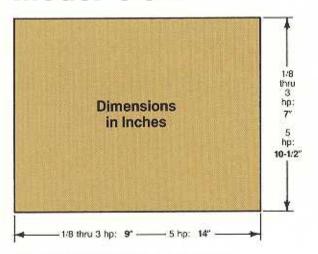
SCR DC Speed Control

Model OC-2 1/8 thru 5 hp



Model OC-2





Line Voltage/Horsepower Code

Motor HP Input VAC	17.5		1/4		1/3		1/2		3/4		1		1-1/2	2	3	5
			115	230	115	230	115	230	115	230	115	230	230	230	230	230
Code	-12	-16	-25	-26	-33	-34	-50	-51	-75	-76	-100	-101	-150	-200	-300	-500

Sample catalog number: OC2-101 (1 hp, 230 VAC input)

Adjustments

Acceleration ... Linear, 0.5 to 15 seconds

Torque (current) limit ... 50% to + 150% of motor rating

Minimum speed ... -5% to + 10%

Maximum speed ... 70% to 110%*

IR ... 0 to 10% boost

*Normal maximum speed is 100%. Consult the factory for higher speeds.

Operating Conditions

Line voltage variation ... ± 10 volts (115 volt models)

baseplate temperature baseplate temperature

Altitude (standard) 1000 meters

Ratings

Horsepower range Models for 1/8 thru 5 hp

Output voltage (115 VAC input, 1/8 thru 1 hp)

Armature 0 to 90 VDC Field 100 VDC

Output voltage (230 VAC input, 1/4 thru 5 hp)

Performance Characteristics

Design Features

- NEMA K (full wave with freewheeling diode). Power conversion stage sized for continuous full load operation with any DC motor designated for Type K service.
- Short circuit protection by subcycle line fuses.
- Voltage transient protection: RC snubber across AC line. Movistor across power stage AC input and across motor field terminals on 230 volt models. Diode clipper on speed command input.
- Independent, simultaneously operating torque and speed loops with sharp, smooth transition provide optimum speed regulation and precise torque limit cut-in regardless of speed setting.
- External torque limit program terminals.
- Screw type input-output connections.
- Moisture barrier on printed circuit paths. Conservatively rated components. 100% inspection and final testing.
- Includes speed potentiometer, knob and dial plate.

Type SC Systems Control for Expanded Functions

The highly versatile Polyspede Type SC Systems Control is designed around the fundamental OC-2 SCR DC drive.

For greatly expanded operating functions, with many combinations of options, a Type SC should be selected. In it are available the basic optional functions of Dynamic Braking, Adjustable Jog and Contractor Automatic Reversing. It is also offered with additional options chosen from three major groups: Tachometer Feedback, External Speed Control and Multiple Preset Speeds.

Ask for the Type SC brochure.



Polyspede Electronics Corporation 6770 Twin Hills Avenue Dallas, Texas 75231 Telephone 214-363-7245 • Telex 73-0816