

Model OC-1 DC SPEED CONTROL

1/8 through 1 1/2 hp

The Polyspede Model OC-1 is an SCR control for operating a variable speed DC motor from an AC source. It is suitable for both shunt wound and permanent magnet motors.

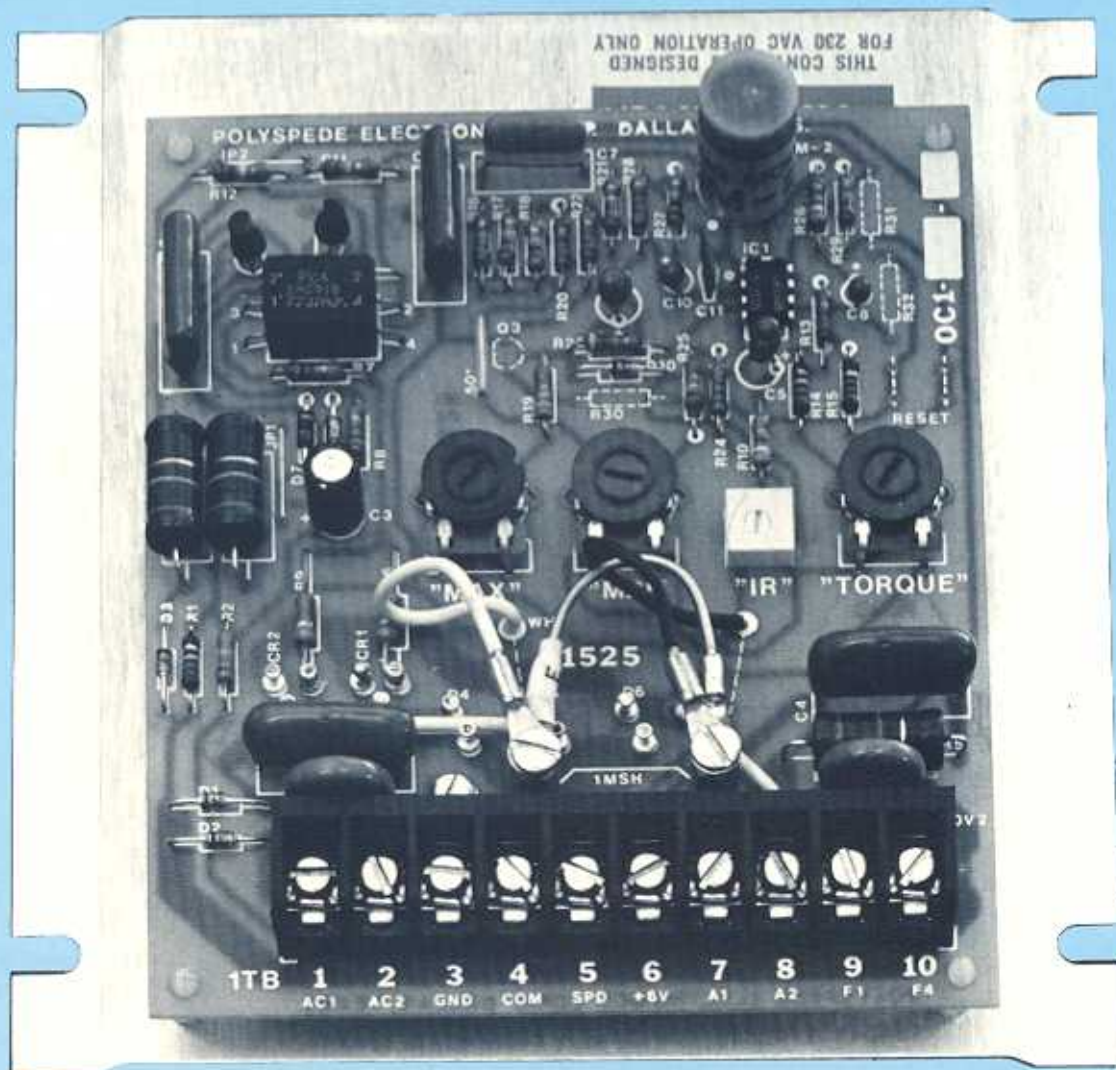
The OC-1 is an industrial grade control in a compact, open chassis design. Although low in cost, it includes standard features usually found only in more expensive equipment.

One basic chassis is used for all twelve standard models. Each model can be field converted to the horsepower rating of any other model. Also, since all components are 230 volt rated, some of the 115 volt models can be field converted to 230 volt input. Conversion kits including instructions, fuses, shunt links, and labels are available at low cost.

Speed potentiometers, knobs, dial

plates, fuse blocks, fuses, and fuse labels are supplied loose. These items can be omitted at a reduction in price.

Polyspede's overall product line includes fractional through 400 hp DC SCR drives in single quadrant and four quadrant regenerative designs. Along with these are motors, gear reducers, and accessories for your complete power transmission system.



POLYSPEDE

Model OC-1

Electrical Characteristics

- $\frac{1}{8}$ and $\frac{1}{6}$ hp: Input 115 VAC \pm 10 V, 50-60 Hz, single phase.
- $\frac{1}{4}$ through $\frac{3}{4}$ hp: Input 115 VAC \pm 10 V, or 230 VAC \pm 20 V, 50-60 Hz, single phase. $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$ and $\frac{3}{4}$ hp models can be field converted to 230 V input.
- 1 and $1\frac{1}{2}$ hp: Input 230 VAC \pm 20 V, 50-60 Hz, single phase.

Standard Features

- 50-60 Hz operation.
- Load regulation 1% of base speed with "IR" adjusted.
- Adjustable MIN SPEED, MAX SPEED, TORQUE LIMIT and IR.
- Fixed, controlled, exponential acceleration, 63% speed in 0.25 seconds.
- Sub-cycle fusing for short circuit and semi-conductor protection.
- Ambient temperature 40°C maximum.
- Minimum required enclosure size (non-ventilated): 12" x 10" x 5".
- Rated for 55°C maximum internal cabinet temperature.
- Easy mounting and wiring. Conveniently located terminal strip.
- Operating and maintenance manual with installation and wiring diagrams.

Optional Features

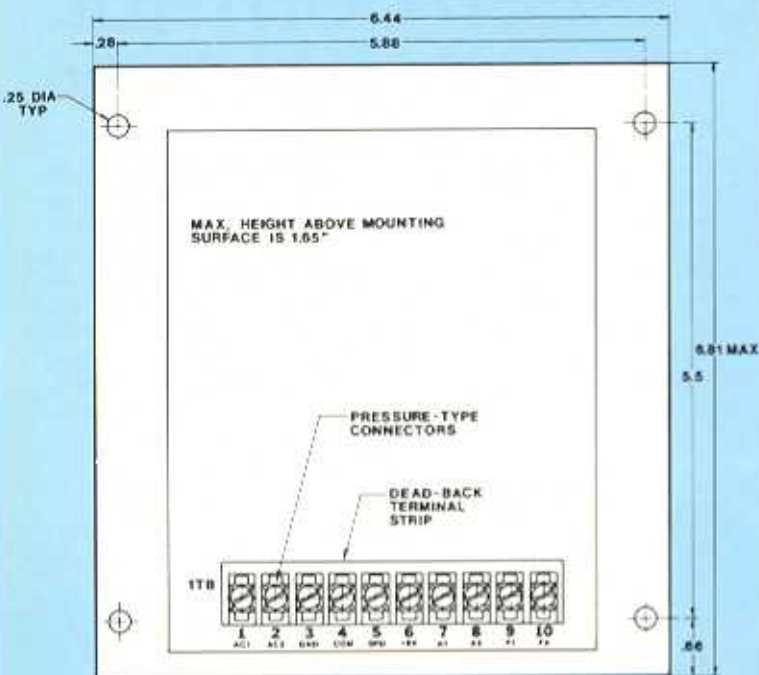
- Factory installed reset circuit for applications requiring contactor START/STOP.
- Horsepower conversion kit.
- Input voltage conversion kit.
- Deletion of fuses and accessories.
- Deletion of speed potentiometer and accessories.

Notes

- To specify reset option, add suffix "-02" to model number.
- If speed potentiometer or fuses are not required, specify on order.
- If fuses are not ordered from Polyspede use only Chase Shawmut A25 x 20 or International Rectifier SF 25 x 20 fuses.

POLYSPEDE

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HP	MODEL NUMBER	INPUT VOLTAGE
$\frac{1}{8}$	OC1-12	115
$\frac{1}{6}$	OC1-16	115
$\frac{1}{4}$	OC1-25	115
	OC1-26	230
$\frac{1}{3}$	OC1-33	115
	OC1-34	230
$\frac{1}{2}$	OC1-50	115
	OC1-51	230
$\frac{3}{4}$	OC1-75	115
	OC1-76	230
1	OC1-101	230
$1\frac{1}{2}$	OC1-150	230