

# WORLDWIDE FRACTIONAL HP MOTORS

## Permanent Magnet DC Motors

### Variable Speed DC Controls



#### Product Overview

- Dual voltage - 120/240 VAC, 50/60 hz
- Adjustable horsepower settings
- Barrier terminal strip
- Packaged bridge supply (fullwave)
- 1% speed regulation with armature voltage feedback;  $\pm 1/2\%$  with tach feedback
- Adjustable minimum speed (0-30% of max.)
- Adjustable maximum speed (66-110% of base)
- Adjustable IR compensation
- Adjustable linear acceleration (0.5-8 sec.)
- Adjustable current limit to 15 amps
- Line voltage compensation
- 5K ohm speed potentiometer with leads, knob and dial included
- Power on / off switch
- 50:1 speed range
- Overload capacity: 150% for one minute
- Transient voltage protection
- Voltage following mode or DC tachometer follower by supplying underground analog input signal (0-12 VDC)
- DC tachometer feedback (6 V at base speed)
- Inhibit circuit - permits start and stop without breaking AC lines
- Remote start/stop via pot circuit or inhibit circuit
- Shunt field supply provided (1 amp max.; 100 V for 120 VAC; 200 V for 240 VAC input)
- AC line fuse
- Rated NEMA 4/12 with threaded conduit holes



#### Non-Reversing (ON / OFF)

Single-Phase Input	Output	HP Range	Model Number	List Price
120 VAC	0-90 VDC	1/8 - 1.0	WDCCONT	
240 VAC	0-180 VDC	1/4 - 2.0	WDCCONT	

#### Reversing (FORWARD / OFF / REVERSE)

Single-Phase Input	Output	HP Range	Model Number	List Price
120 VAC	0-90 VDC	1/8 - 1.0	WDCCONTREV	
240 VAC	0-180 VDC	1/4 - 2.0	WDCCONTREV	

