

# ACP-US Series AC Motor Controller

FEATURES

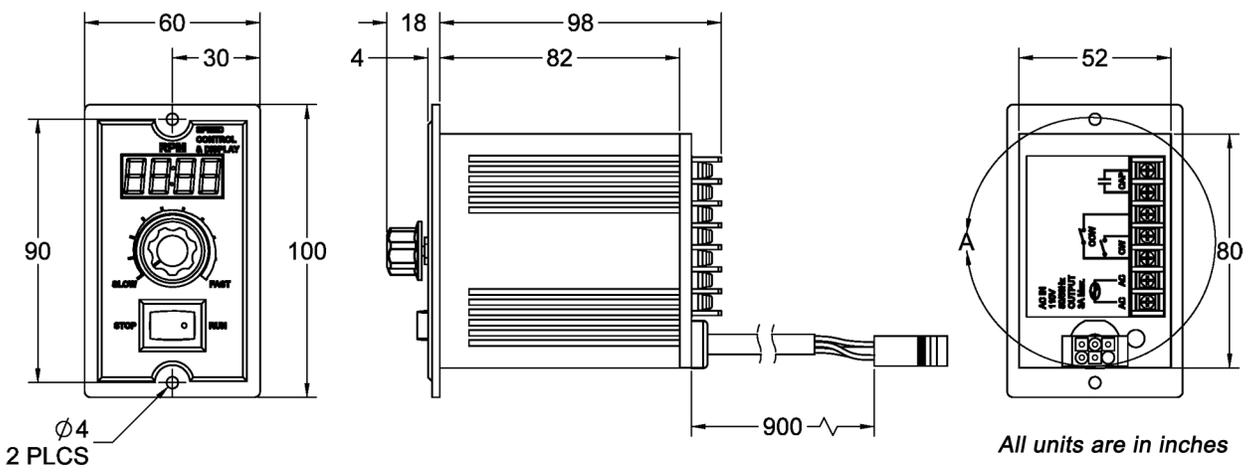
- Closed Loop Linear Speed Control
- Digital Speed Readout
- 120 VAC or 220 VAC 50/60 Hz
- Forward and Reverse
- Start and Stop
- Large Speed Control Knob
- Cost-Effective Solution
- Easy to Use
- Efficient and Durable
- Long-Lasting Life Expectancy



DESCRIPTION

The ACP-US Series speed control is designed for use with our ACP-M variable speed motors. These speed controllers are available in 110VAC and 220VAC, 50/60 Hz. Features include closed loop variable speed control, clockwise/counter-clockwise direction, start/stop, and a large LED display which provides shaft speed for easy monitoring. By using the ACP-US speed controller with the ACP-M variable speed motors, you can vary the speed over a wide range of 90-1600 RPM with a 60Hz input power signal. Applications include: range hoods, vibrators, humidifiers, fireplace blowers, fans, laminar flow hoods, heat tunnels, stirrer, pumps, motion control and conveyor belts.

CUSTOM ORDER LAYOUT

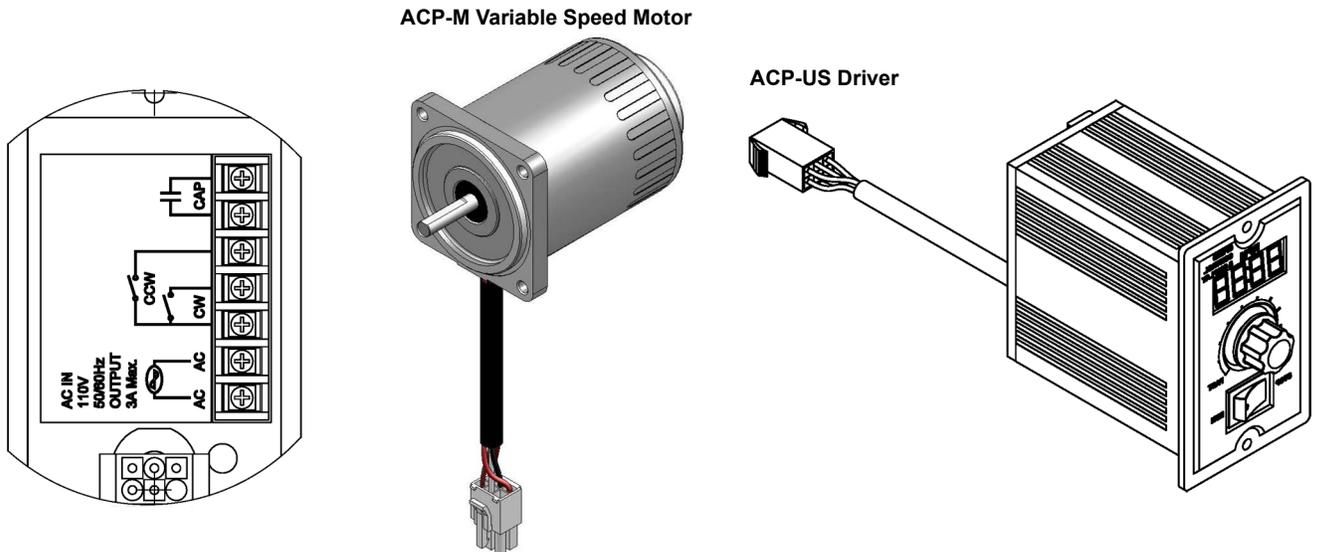


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## Hookup Instructions

For proper operation, connect the ACP-M variable speed motor to the ACP-US driver via the provided connectors. Apply the proper voltage (model dependent) to the AC IN terminals. The correct capacitor comes pre-attached from the factory. In the event the capacitor is not installed, do so by connecting the capacitor wires to the proper terminal screws labeled Cap. There needs to be a jumper wire or switch connected to only one of the CW/CCW terminals at a time, it will not run if nothing is connected. When everything is properly connected apply power and toggle the front panel switch to RUN and adjust the speed accordingly.

WIRING INFORMATION



# ACP - US - 216A - AL

Motor Frame Size		Motor Power		Motor Supply Voltage	
2	60mm Square	6	6W	A	1 $\phi$ 110VAC
3	70mm Square	15	15W	C	1 $\phi$ 220VAC
4	80mm Square	25	25W		
5	90mm Square	40	40W		
		60	60W		
		90	90W		

Please note that the driver and motor need to be purchased together.

ORDERING INFO

TROUBLE SHOOTING

Problem	Solution
Motor is full speed only. Controller isn't receiving feedback from the tachogenerator	Check if the connection between tachogenerator and controller was broken
Motor shaft doesn't rotate	Check if the connection between motor and controller was broken or loose. Check power connection. Check operation of capacitor.
Motor Overheats	Check for shaft impediments. Does motor fit your application?