

Reliance Electric SP200: Why Is It Just Right?

The Reliance® SP200 provides OEMs and users with an excellent choice where cost, size, and ease-of-use are the most important considerations for control of small three-phase induction motors.

Just Right

Because It Saves You Space and Money

- Compact dimensions (see actual size at right), side-by-side DIN-rail or panel mounting, feed-through power wiring, and a removable keypad make the SP200 a cost-effective solution for inside machine or cabinet locations.
- Isolated analog inputs eliminate the need for signal isolation from your control. Isolated digital control inputs that accept external 24V signals eliminate the need for adapter cards.

Just Right

Because It Saves You Time

- Robust out-of-the-box performance, a small parameter set, and user friendly setup tools make startup a snap!

Just Right

Because It Meets Your Specific Needs

- Three different control models provide you with the type of control that is most appropriate for your application.

| Model A: Single Channel Analog | Model B: Preset Speed | Model C: Dual Channel Analog |
|--|---|--|
| <ul style="list-style-type: none"> • For control from a speed pot or one analog signal • 0 – 10V or 4 – 20mA | <ul style="list-style-type: none"> • For up to 8 specific speeds controlled by 3 on/off digital inputs | <ul style="list-style-type: none"> • For applications benefiting from an operation between two analog signals such as PI, Add, or Multiply • 0 – 10V or 4 – 20mA |
| conveyors treadmills compressors | packaging machines laundry machines car washes | fans pumps mixers |

- Single-phase input and three-phase input ratings that control standard three-phase induction motors.

| Input Voltage | Output Voltage | Power Rating | Output Current |
|---------------------------------|----------------|-----------------|----------------|
| 100 - 120V or 200 - 240V, 1Φ | 0 to 230V 3Φ | ½ HP (0.37 kW) | 2.3 A |
| | | 1 HP (0.75 kW) | 4.2 A |
| | | 1 ½ HP (1.1 kW) | 6.0 A |
| 200 - 240V 1Φ | 0 to 230V 3Φ | 2 HP (1.5 kW) | 7.0 A |
| 200 - 240V, 3Φ | 0 to 230V 3Φ | ½ HP (0.37 kW) | 2.3 A |
| | | 1 HP (0.75 kW) | 4.2 A |
| | | 2 HP (1.5 kW) | 7.0 A |
| 380 - 460V, 3Φ | 0 to 460V 3Φ | ½ HP (0.37 kW) | 1.3 A |
| | | 1 HP (0.75 kW) | 2.0 A |
| | | 2 HP (1.5 kW) | 3.5 A |

An attractive feature of the single-phase ratings up to 1.5HP (1.1kW) is that they deliver 230V, 3-phase output regardless of being connected to either 115 or 230 input voltage.



- Adjust the following settings to optimize your application:
 - ✓ 3 Motor Overload Current
 - ✓ 2 Accel & Decel Rates
 - ✓ Min and Max Speeds
 - ✓ 2- and 3- Wire Control
 - ✓ Ramp, Coast, or DC Stop
 - ✓ Volts / Hertz Settings
 - ✓ User Display Units
 - ✓ Avoidance Frequency
 - ✓ Current Limit
 - ✓ Auto Restart
 - ✓ Configurable Input
 - ✓ Configurable Output
 - ✓ Carrier Frequency
 - ✓ Offset & Gain
 - ✓ PI, Add, Multiply
 - ✓ 8 Preset Speeds
- Choose from the following optional accessories:
 - ✓ Input Mains Filter for European EMC compliance
 - ✓ Local, CopyCat, and Remote Keypads to make setup and operation as easy as possible.
- Be assured that you have chosen a product designed to high safety and quality standards, and for years of reliable operation.
 - ✓ UL and cUL listed, CE marked, ISO 9001 standards