

Smart Brushless Controller

SBC-05



Renau's new Smart Brushless Controller Module uses our revolutionary Single Wire Communication Network to allow complete control of virtually any brushless 3-Phase DC motor. Specifically designed with the food industry in mind, Renau's SBC-05 combines with any of our Hybrid Micro Controllers and interface devices to easily adapt to any situation your kitchen equipment or foodservice application requires while allowing motor speed to be adjusted directly from the user interface.

With a slim, contemporary design, the SBC-05 has a minimal footprint. This allows equipment manufacturers unprecedented levels of design flexibility, while giving equipment operators a reliable, inexpensive motor control that is extremely simple to use.

Using Renau's Single Wire Communication Network, the SBC-05 connects to Renau's compact, patented Hybrid Micro Control Series process controllers and any of our wide range of intuitive display interfaces to handle even the most intensive and demanding applications. Operators and customers see a sleek, elegant display that can be mounted anywhere on the appliance, from door panels and edges to

frames and more, eliminating expensive, complicated harnesses while keeping the process controller and SBC-05 out of sight within the controlled equipment. Energy efficiency comes from the unique design and custom programming of the SBC-05. The SBC-05 can be programmed to slow down or shut off the motor when controlled equipment is not used for a prolonged period of time. For more demanding applications with multiple motors, additional SBC-05 modules can easily be added to Renau's Single Wire Communication Network, giving complete control over each individual motor. Built-in Lock Rotor Protection gives operators a warning if the rotor gets stuck while also reducing current to the motor, enabling easier troubleshooting to fix the problem and preventing the motor from burning out.

Designed with the foodservice industry's harsh environments specifically in mind, the SBC-05 is fully encapsulated for outstanding protection from extreme temperatures, humidity, and shock. Designed and manufactured in the USA, all Renau products are rigorously tested and come with an extended three year warranty.

Dimensions:

- 3.51"L x 1.53"W x 0.84"H

Features:

- Can control virtually any brushless 3-Phase DC motor
- Lock Rotor Protection
- Supports motor direction, braking, and speed.
- Operating Temperature: 0-80°C (32-176°F)

Warranty:

- Every Renau product is thoroughly tested at numerous stages of production and comes with an extended three (3) year warranty.

Benefits:

- Durable and reliable
- Simple, inexpensive installation
- Eliminates expensive, complicated wiring harnesses
- Compatible with any Renau Single Wire Communication interface
- Fully-encapsulated for maximum protection in harsh environments
- Low power consumption
- Easily upgradeable and scaleable

Wide range of applications:

- Ideal for commercial foodservice equipment such as ovens, food warming/holding cabinets, fryers, refrigeration equipment, steamers, industrial machines, and more.

We do more than design. We invent.

RENAU

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