



*Reasons why  
ecotech **EZ**<sup>™</sup>  
motor/control  
should be your  
number one choice:*

- › Energy Efficient Product
- › Built-In Programmable User Interface with Timer
- › Easy Drop-In Installation-No Complex Wiring
- › Compliant with Pool Motor Energy Legislation
- › Designed for Quiet Operation
- › Safety Vacuum Release System (Optional SVRS) Mode
- › Freeze Sensor
- › Retrofits Most Pump Ratings Up to 3.5HP
- › TEFC Construction
- › Low Amp Design
- › Controller Enclosed to Protect Against Environmental Conditions

**Nidec**

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INNOVATION MADE **EZ**<sup>™</sup>

ecotech **EZ**<sup>™</sup>

Programmable Variable Speed Motor  
and Control with Optional SVRS Mode



## About the ECOTECH EZ™ Motor/Control

The ECOTECH EZ motor/control is a programmable, high efficiency pool pump motor designed to be an easy, drop-in field replacement that can be wired with minimal or no modifications. System control changes are not required.



## Energy Saving

Increased demand on the power grid, rising energy costs and environmental concerns have prompted many states to enact legislation requiring the use of more energy efficient pool motor products.

Unlike the traditional pool pump motor, the energy saving, easily programmable ECOTECH EZ motor/control can reach efficiency levels of up to 90 percent and help reduce energy costs! Its brushless permanent magnet motor, control, and user interface all work together to provide an efficient, easy-to-use alternative to existing induction motors. And, with an approximate one-year payback (depending on energy costs in your area) and continued savings throughout the life of the motor, ECOTECH EZ motor/control is an excellent choice.

## Quick Installation

ECOTECH EZ™ motor/control uses a top-down visible terminal board with quick connect or screw head connections. Installation is easy. Simply bring in the two power leads to the terminal board and then attach the ground lead to the green ground screw located near the terminal board. One size ECOTECH EZ motor/control fits most pump ratings up to 3.5HP.

## Easy to Program

Each ECOTECH EZ motor/control is factory programmed for out-of-the-box functionality. But, by using the integrated User Interface, the motor can be programmed for up to four "custom flows" to run water features, cleaning, spa jets and other pool features or accessories. It can also be programmed for two different flows per day, Monday — Friday and Saturday — Sunday.

First, visit [www.nidec-motor.com/pool](http://www.nidec-motor.com/pool) and use the energy calculator to determine the optimal settings for your customer's pool. Then program ECOTECH EZ motor/control to maximize energy savings. Set it once and enjoy the savings. There's no need to continually reset the program.

## Rugged Construction for Longer Life

ECOTECH EZ™ motor/control is a Totally Enclosed Fan Cooled (TEFC) motor. TEFC construction adds an important line of defense against motor failure because there are no ventilation openings. This design helps prevent the intrusion of rain, dust, bugs, rodents and other contaminants into the motor. The controller is mounted in an enclosure to help prevent damage from foreign contaminants.

## Freeze Sensor

The ECOTECH EZ motor/control includes a freeze sensor mounted inside the control. If the control is enabled (on), the sensor will detect temperatures below 40 degrees Fahrenheit and run the motor on low speed 30 minutes on and 30 minutes off until the temperature rises above 40 degrees F.

## Designed for Quiet Operation

Because ECOTECH EZ motor/control employs no switching mechanisms, motor noise is minimal, especially when the motor is programmed for low flow rates. The ability to program the ECOTECH EZ motor/control for lower speed operation increases the efficiency of the pool's filtration process and minimizes the motor noise and the hydraulic sounds created by the pump.

## Optional SVRS Mode

An optional Safety Vacuum Release System (SVRS) feature can be incorporated into the ECOTECH EZ motor making it compliant with the Virginia Graeme Baker law. The SVRS responds if it senses a significant drop in load and can assist in the release of a swimmer trapped on the pool drain. The SVRS feature on the ECOTECH EZ can provide added protection and is an important component in a complete system.

