

EC02 Advanced Electronic Control Module

Intuitive Digital Control for GOLD CUP® Pumps



ENGINEERING YOUR SUCCESS.

Competitive. Compact. Configurable.

Take Control of Performance With EC02 Electronic Control.

The Parker GOLD CUP® series has already made its mark for delivering exceptional, long-lasting performance in severe-duty applications. Now, Parker is taking performance and reliability to the next level with the EC02 electronic control module. With a customizable graphical user interface (GUI), this advanced digital control option provides **simplified setup, easy system commissioning and responsive troubleshooting**. All in a compact pump control solution.

Featuring robust housing and a wide range of operating temperatures from -40 to 158°F (-40 to 70°C), EC02 is ideal for offshore environments. In general, it performs well in demanding industrial applications, including:

- **Active heave winches**
- **Land and sea military equipment**
- **Drill rigs and oil exploration**
- **Mining and well drilling**
- **Hydraulic test equipment**
- **Material handling**
- **Cranes**

Simplified Operation

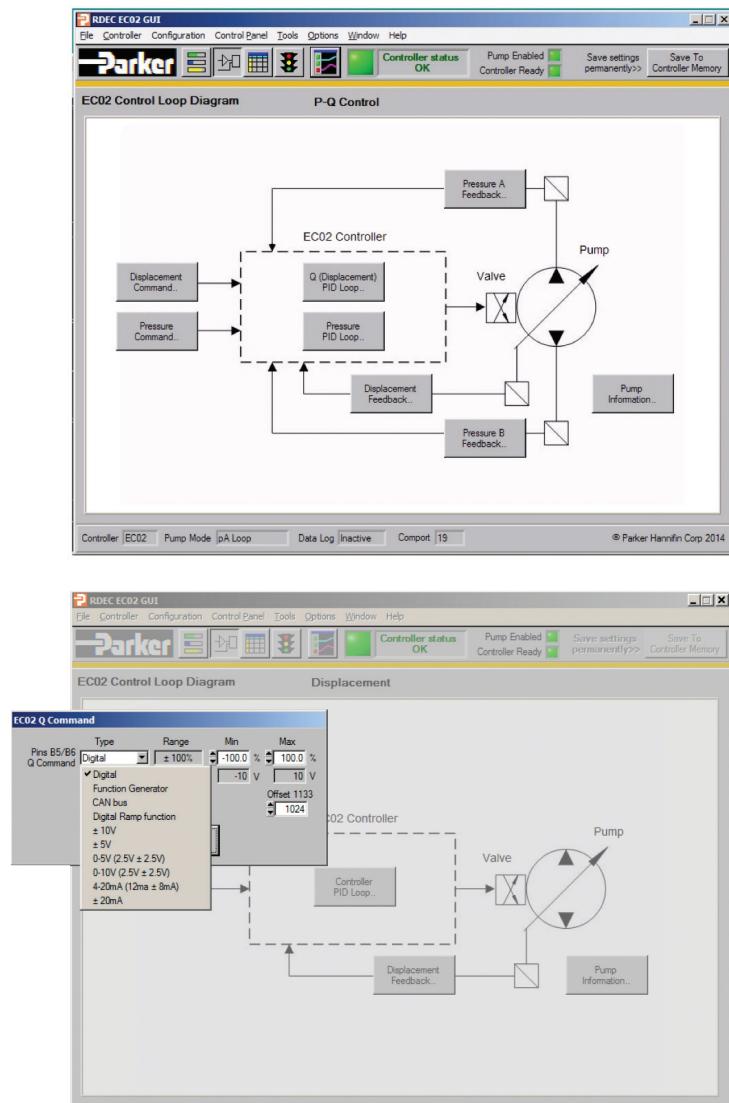
EC02 offers an intuitive, user-friendly GUI that utilizes Windows®-based programming. It features onscreen help menus, dialog boxes and graphics to enhance user experience. EC02 also provides the ability to digitally select between four unique preset gain values to optimize performance based on machine function.

Improved Reliability

Achieve maximum reliability with EC02's built-in fault diagnostics and monitoring. High-speed data logging at 1ms sampling provides the capability for pinpoint troubleshooting, while an intuitive design allows for fast, easy access during maintenance and repairs. Identify and address potential

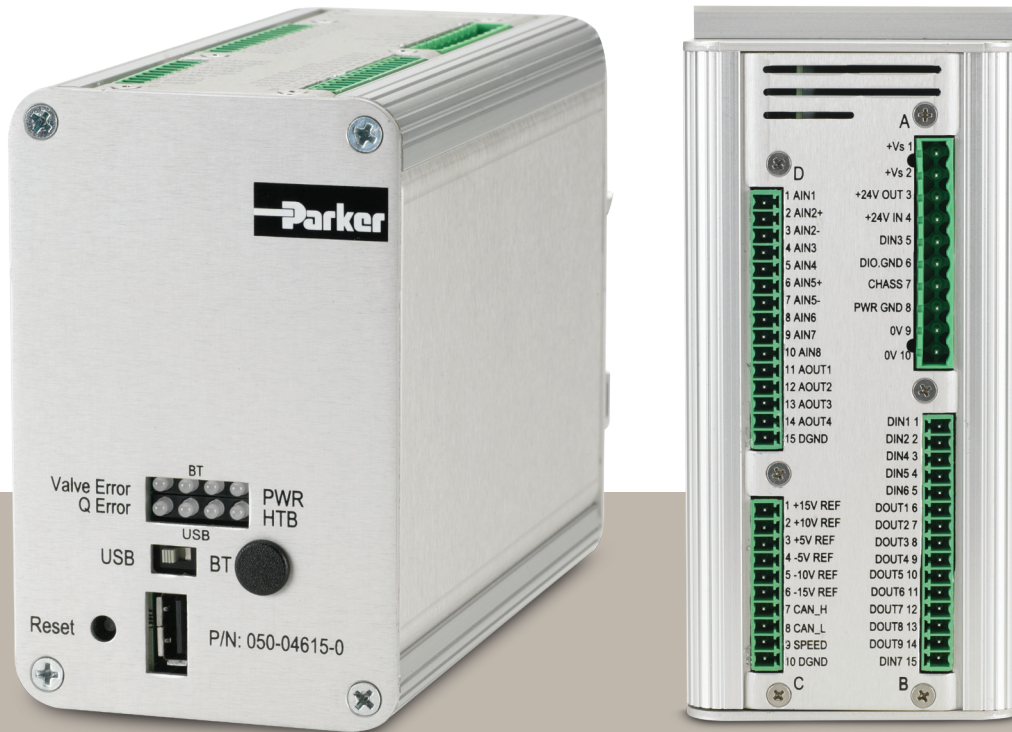
problems – without disrupting your productivity.

A smarter control option is at your fingertips. EC02 puts you in control of your reliability. Contact your local Parker distributor to learn more.



Graphic User Interface (GUI) examples

EC02 Benefits at a Glance



Improved Safety and Productivity

- Built-in fault detection and monitoring
- High-speed, data-triggered logging for pinpoint troubleshooting
- Master/slave mode for synchronized multi-pump systems



Optimized Pump Performance

- Ability to adjust settings during operation
- Configurable gains for operation mode optimization
- Automatic download of default parameters based on pump configuration



User-Friendly Operation

- Customized Windows-based GUI
- Easy-to-use control diagrams with drop-down menu for fast setup
- J1939 and Bluetooth® communication



Ease of Service

- Top-mounted, pluggable connectors for convenient servicing
- Historic error logging for quick problem identification
- Real-time monitoring with local control mode override

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