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Divelbiss HEC-P5XXX Family of Controllers – Harsh Environment Control with IoT Connectivity

Fredericktown, OH July 21, 2015 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of enhanced models of the HEC-P5000 Family of controllers, offering control capability in the harshest of environments and now enabling Cloud Communications with the Divelbiss VersaCloud M2M platform. Programmed using the no-cost Divelbiss EZ Ladder Toolkit in **Ladder Diagram, Function Block, and Structured Text**, and based on P-Series PLC on a Chip™ technology, the HEC-P5XXX family provides maximum flexibility for controlling mobile equipment, communicating with various serial bus protocols, logging system data, or adding **Internet of Things** (IoT) capability to existing systems.

Harsh Environment Controller HEC-P5XXX

Featuring a sealed **NEMA 4** enclosure that is designed for the harsh duty commonly found in mobile environments, the HEC-P5XXX has a high I/O count with 16 digital inputs, 3 high speed counter inputs, a quadrature encoder interface, 16 digital outputs rated for 2A each (of which 12 are PWM capable), and 2 analog inputs which are user configurable as 0-5V, 0-10V, or 0-20mA inputs. If additional I/O is required, the CAN and serial ports may be utilized to communicate to expansion I/O. It features two serial ports, which are user configurable as RS232 or RS485, and supports **MODBUS RTU/ASCII** protocols as either a Master or a Slave device. The serial ports are also directly programmable via the Structured Text programming language, allowing the implementation of custom protocols, which makes them ideal for communicating to bar code scanners, RFID readers, or other serial devices. Two CAN ports are available and fully support the **SAE J1939** and **NMEA2000** protocols. **Ethernet and Wi-Fi** ports can be used for **MODBUS TCP** Server and Client communications, as well as IoT communications with the VersaCloud M2M platform. The HEC-P5XXX has optional **cellular** capability for communicating with the VersaCloud M2M platform. A **GPS** option is also available.

For applications that require **data logging**, the HEC-P5XXX family is available with a **Real-Time-Clock**, **512K of battery backed SRAM**, and internal **SD card**. These features give the user ultimate flexibility and options for implementing data buffering and logging. When utilized with the Divelbiss VersaCloud M2M platform, the HEC-P5XXX can communicate data to VersaCloud, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export. The HEC-P5XXX supports supply voltages from **8-32VDC** and has a wide operating temperature range of **-40°C to +80°C**, making it suitable for use in applications with extreme environmental requirements.

The HEC-P5XXX gives the user the ability provide **machine control**, **Data Logging** and **IoT** Connectivity to virtually any application in the mobile, industrial, environmental, agricultural, construction, and other markets. As a part of the Divelbiss VersaCloud M2M complete end-to-end IoT connectivity solution, the HEC-P5XXX provides a powerful, flexible system to enable remote control and communications.

To purchase any of the HEC-P5XXX Controllers, VersaCloud M2M Service, EZ Ladder Toolkit software or for more information, please call 1-800-245-2327, visit www.divelbiss.com or email sales@divelbiss.com.

Divelbiss Corporation, a leader in the development and manufacture of state-of-the-art industrial electronics since 1974, provides R&D operations, design services and manufacturing at our corporate headquarters located in Fredericktown, Ohio. Divelbiss Corporation is ISO-9001:2008 with Design certified.

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