



DESIGN AND MANUFACTURE OF QUALITY ELECTRONIC EQUIPMENT AND INDUSTRIAL CONTROL SYSTEMS

For immediate release...

Contact: Sales Department
sales@divelbiss.com
800-245-2327 (Toll Free)
740-694-9035 (Fax)

OEM Controller is Highly Versatile by Design

FREDERICKTOWN, OHIO March 27, 2012 - Divelbiss Corporation, providing cost-effective customized solutions to standard industrial automation and control problems since 1974, announces the Versatile Base (VB) Series of controllers designed as a base for powerful, affordable, and quick-to-market OEM controllers.

Based on patented* PLC on a Chip™ technology, the VB-1000 controller provides a compact - yet powerful - base for a variety of standard and custom (application specific) I/O expander boards. The VB-xxxx series is programmed using Divelbiss EZ Ladder software which supports ladder diagram with function block programming.

The Model VB-1000 is the first production unit in this new series and features twelve (12) 8-32 VDC inputs (two are 100 kHz high-speed counters); eight (8) digital outputs rated to a maximum of four (4) amps with automatic over-current protection. The outputs may be configured as PWM with at 1.5 Hz to 1KHz frequency modulation. There are also seven (7) analog input channels with 10 bit resolution which can be field configured individually to 0–20mADC, 0 - 10 VDC, or 0–5VDC as required. Networking includes 2 CAN ports configurable as OptiCAN or SAE J1939 in addition to Modbus Slave functionality.

The expansion connector on the VB-1000 provides connection to the processor's SPI port opening the possibility for a wide range of quickly engineered application specific expanders to the base control. Quadrature counting, D-A and A-D conversion, motor or fan drives are only a few of the potential functions which could be incorporated for the OEM.

Two pre-engineered expander modules are currently available in the series. Model VBEX-4K provides input of four (4) Type K Thermocouples with 12 bit input resolution. The second is Model VBEX-4K4DOT which provides four (4) digital outputs in addition to four (4) Type K Thermocouple inputs. **NOTE:** Input for other Thermocouple types is available on special order.

Typical industrial use includes electro-hydraulic control, control of engine driven pumps and compressors, mobile asset management and tracking, intelligent mining or oil field equipment, and marine application. The 8 to 32 VDC input power and wide operating temperature range (-40° to +80° C) is particularly useful for ease in utilization by off-highway and marine platforms.

Product specifications and complete User's Manuals for these products are available at our web site:
www.divelbiss.com

For more information please call 800-245-2327; visit our website www.divelbiss.com; or email a request to sales@divelbiss.com.

* Patent 7,299,099

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