- Intuitive LCD user interface with 5-button keypad.

- Rugged design features:
  - Fully enclosed 18ga. enclosure.
  - Well protected I/O, comm., and power inputs.
  - Wide operating temperature range.

- Expandable:
  - 4 serial ports.
  - 1 Ethernet port.

- Service friendly:
  - Local power switch.
  - Easily replaceable fuses.
  - Pluggable terminal blocks per channel.
  - Diagnostics via the integrated LCD.

- Easy installation:
  - 4 mounting holes.
  - Pluggable terminal blocks.
  - Full universal input support: no extra hardware required. See flip side for supported modes.
  - Software configurability: no jumpers or switches.

- Backwards compatible with MS4-UNV.

COMPACT DESIGN

An easy mount design with provisions for almost any input/output combination in a relatively small footprint.

NETWORK READY

At home on the Internet, your intranet, or a private multi-point Ethernet network using industry based standards gives you options.

VERSATILE

The flexibility to operate in many unique modes including a router, controller or global device provides a growth path for your investment.

MS5-UNV is a powerful and reliable multipurpose controller designed for use in the InfoScan automated monitoring and control system from Dorsett Technologies. The MS5-UNV is fully programmable for a wide range of applications including SCADA, utility control, direct digital controls, and building automation.

It is designed for long-life, high reliability, and painless field serviceability. Highly flexible I/O configurations provide a wide range of compatibility with field devices, and it accepts almost all industry standard sensors and controls.

Connect to the InfoScan network, Dorsett controllers, or 3rd party BACnet® / Modbus / N2 controllers using the 4 available serial ports and auto negotiating Ethernet port.

Take advantage of MS5-UNV's dual processor design to make light work of your application's control requirements. Also included is 4MB of battery backed RAM paired with 4.5MB of non-volatile flash for program storage, supporting nearly unlimited program growth and vast amounts of data storage.

MS5-UNV is robust, reliable, and best of all, easy to use. Not convinced? Call us to schedule a demo.

DORSETT TECHNOLOGIES
CRITICAL SYSTEM SOLUTIONS
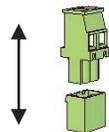800.331.7605   dorsett-tech.com

Most manufacturers offer a product with universal input support (voltage, current, resistance, etc.) but in nearly all cases, there are switches or jumpers which require setting prior to installation. MS5-UNV features *true* software configurable universal inputs; there are no switches, jumpers, or the likes thereof to setup each input channel. The same is true of the analog outputs. Total software configurability translates to faster, less complex installations and an overall better product.
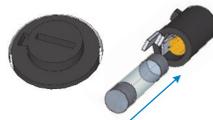
MS5-UNV is fully functional in both stand-alone operation and in a network setting. If a network outage occurs, rest assured your application will continue to function uninterrupted. The controller's real time clock ensures that time of day schedules are maintained while communications are re-established.

The LCD keypad interface makes the product much easier to use and troubleshoot. On-screen diagnostics including I/O status, system health, and hardware setup information empowers even inexperienced operators and technicians.
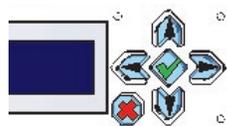
MS5-UNV is easy to use. That's easy to say but what makes it so? Here's just a few reasons:

Removable terminal blocks per input / output channel simplify installations and troubleshooting.

Front panel accessible fuses with simplified removal and installation.

An intuitive LCD / Keypad HMI simplifies diagnostic evaluations and hardware setup.

TECHNICAL SPECIFICATIONS

Physical
8.765"w x 9.8"h x 2.13"d
2.45lb.

Environmental
-20°C to 70°C Operating
-25°C to 80°C Storage

Processors
32-bit ARM7, up to 72MHz
16-bit MSP430, up to 25MHz

Memory
4 MB RAM Data
4.5 MB Flash Program Storage

Supply Voltage
24VAC ± 20% 60Hz

Network Connections
10/100 Mbps Ethernet
BACnet® / IP Protocol
ModBUS/TCP

Serial Ports
Qty 1 RS-232 or RS-485 port
Qty 3 RS-485 ports
2.4k - 76.8k baud
BACnet® MS/TP, N2, Modbus RTU Protocols

Universal Inputs - x16, 16-bit
  Analog:
  0-2k Ohm Resistance
  0-20mA loop or self-powered
  0-5 VDC
  0-10 VDC

  Digital:
  Dry Contact: NO or NC
  Open Collector

  Accumulator:
  200 Hz max, 50% duty cycle

Analog Outputs - x8, 10-bit
  0-10 V
  0-5 V
  4-20mA [1]

Digital Outputs - x8, Triac
  24VAC @ 300mA ea. [2]

Note 1: 600 Ohms max load
Note 2: 2A max all outputs.

Specifications subject to change without notice

NEED ASSISTANCE ?

 Technical Support

 Installation and Setup

 Maintenance

 Application Support

 Software Support

 Warranty ??s

Email us: support@dorsett-tech.com

Or call: 800.331.7605

100 Woodlyn Drive
Yadkinville, NC 27055
Phone 800.331.7605
Fax 336.679.8811
dorsett-tech.com

Ordering Information

Order Part No.   MS5–UNV

DORSETT
TECHNOLOGIES
CRITICAL SYSTEM SOLUTIONS
800.331.7605   dorsett-tech.com