

### Digital Input Option

Digital inputs to the Verbatim System can be added to increase the number of monitoring points. The standard configuration for a system is 4 digital inputs, expandable to 8, 16, 24 or 32 optional. The option consists of a circuit card, which plugs into the Verbatim System. The additional inputs can be configured to monitor alarms, totalizer values, and run times.

**RACO Manufacturing and Engineering Co., Inc.**  
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### Cellular Alarm Autodialing

The RACO Cellalarm terminal provides temporary or permanent cellular phone service when conventional telephone lines are disabled or unavailable. Cellalarm is optionally furnished with a RACO Verbatim System to provide alarm monitoring reporting, and system status checking functions. Packaged in a rugged, weather-resistant housing that is easy to transport and set up.

**RACO Manufacturing and Engineering Co., Inc.**  
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### Secure Front Panel Verbatim

The Verbatim System is available in a Secure Front Panel (SFP) configuration, where the unit is furnished without the front panel keypad and some of the front panel indicators that are used for programming at the panel. With this unit, system programming can only be done over the phone. The SFP system provides security for unsupervised or remotely located units and the initial purchase price is only \$1,550.00.

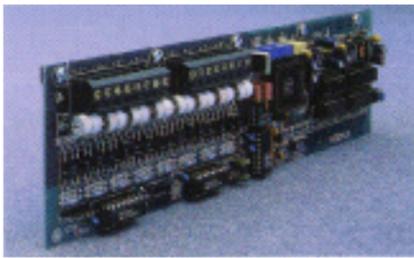
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### Verbatim SCADA Applications

RACO SCADA System software lets you combine a Verbatim System with a Central Station Computer to interface up to 200 Verbatim Remote Terminal Units (RTUs). Simple, cost-effective system permits the use of conventional dial-up phone lines to ensure continuous monitoring, reporting, data logging, and alarm autodialing. Additionally, RACO Connections Software permits alarm autodialing in a Windows™-based, DDE-compliant MMI/SCADA System over standard dial-up phone lines.

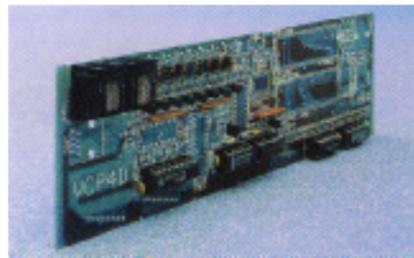
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### Analog Signal Input Option

RACO Analog Signal Input Option for the Verbatim System allows monitoring of 1, 4, 8, or 16 analog inputs, with user-programmable gain/offset and high/low setpoints. This plug-in circuit board enables the Verbatim to report a physically variable value—water level, pressure, etc.—by means of a voice message in terms of actual physical units. User can call in for status at any time or alarm autodialing will be initiated if preprogrammed setpoints are exceeded. Standard signal input type is 4-20 mA, with other types available on order.

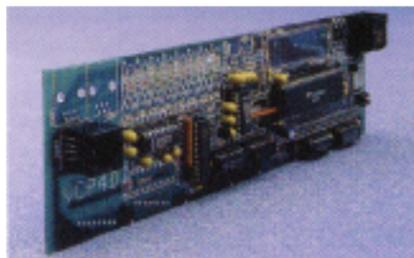
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### Remote Supervisory Control

The RACO Remote Supervisory Control Option for the Verbatim System lets the user actuate from 4 to 8 electrically operated devices over the dial-up telephone network using any remote touch-tone phone. The option consists of a circuit card, which plugs into the Verbatim System. The user may utilize open collector transistor outputs on the circuit card or employ an optional, separately enclosed external output relay system for remote circuit control.

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### Autodialing With PLCs

When equipped with a RACO Modbus Interface Module, a RACO Verbatim System delivers cost-effective connectivity to all devices (PLCs, annunciators, chart recorders, MCCs, etc.) compatible with Modicon Modbus RTU master protocol. This option permits the addition of an alarm autodialing capability to any compatible monitoring and control network. As many as 32, 64, or 96 alarm conditions can be monitored and reported via a RS-232 connection.

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▶ **Fax on Demand - for fax copies of technical specifications for any product shown on this page, just dial 510-658-6716 and follow the prompts. Product codes are listed with each product description.**

# It wasn't easy cramming all those capabilities into this little box.



But panel shop operators, system integrators and those handling water/wastewater plant operations and maintenance are glad we did. Now they can tackle monitoring and control tasks armed with the pacesetter functionality and expandability packed into the RACO Verbatim, the long-standing first choice of the industry. And just what is a Verbatim? Well, with a modular bus architecture and up to 32 digital inputs, 16 analog inputs, and 8 control outputs, it's ...

**An autodialer alarm system** that, sequentially calling up to 16 numbers, communicates via standard wireless or landline telephone networks with just about anything. It delivers voice-message alarms to phones (including cellular), numeric or voice pagers, and voice mail systems, and talks just as easily to computers. And it keeps calling until alarms are acknowledged.

**A remote monitoring system** that continuously checks the status of all devices connected to the system. Users can call in from any phone to acquire

status information on all points being monitored.

**A supervisory control system** for actuating devices from a phone, the Verbatim front panel or a PC.

**A SCADA system** comprising Verbatim RTUs in the field, a computer and RACO software. Its phone-based communications allow widespread deployment, and you can even add Local and Central Data Logging. Further, with our DDE Server Software, Verbatims are

easily integrated into any DDE-compliant, Windows™-based MMI/SCADA system.

**A PLC network interface** that, offering alarm and monitoring for as many as 96 remote channels, uses RS232 communications to work with any devices using Modicon's Modbus protocol.

**What else does our Verbatim do?** It brings you proven reliability and— with prices starting at \$1550 —incomparable cost-effectiveness. So what should you do? Simple. Call, visit our Web site or E-mail us for details or arrange a demonstration.

### Raco Engineering and Manufacturing Co.

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