

Verbatim[®] Options



SINCE 1948
RACO[®]
REMOTE ALARMS AND CONTROLS

Increase the power and flexibility of your RACO Verbatim...

RACO offers a selection of upgradable hardware and software options designed to expand the capabilities of your Verbatim Automatic Dialing and Remote Monitoring System. Increase the number of inputs, operate with PLC networks and MMI/SCADA systems, or increase your monitoring and control capabilities—simply and cost-effectively.

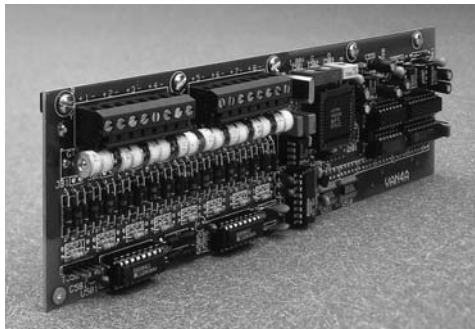
Products can be ordered using the form on the back of this publication. If you need more information, use our Fax on Demand service for fax copies of technical specifications. Just dial 510-658-6716 and follow the prompts. Product codes are listed with each product description.



DIGITAL INPUT

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 inputs. 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.

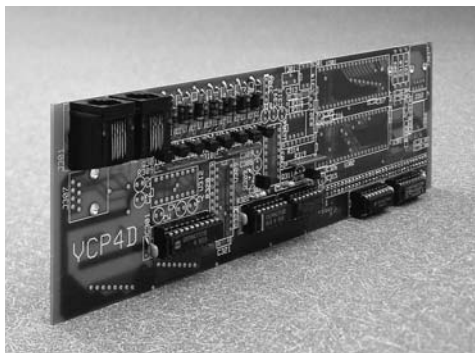
Fax on Demand product code 905.



ANALOG SIGNAL INPUT

RACO Analog Signal Input Option for the Verbatim System allows monitoring of 1, 4, 8, or 16 analog inputs, with user-programmable scaling and high/low setpoints. This plug-in circuit board enables the Verbatim to report a physically variable value, such as temperature, 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.

Fax on Demand product code 602.

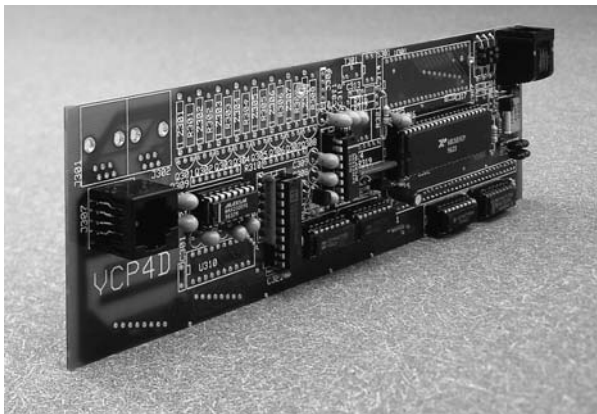


REMOTE SUPERVISORY CONTROL

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. Standard relay type is OAC5, with other types available on order.

Fax on Demand product code 603.

Verbatim OPTIONS



MODBUS INTERFACE MODULE FOR OPERATION IN PLC NETWORKS

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 an RS-232 connection.

Fax on Demand product code 620.



SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM

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.*

**Fax on Demand product code
803 and 608.**

CENTRAL DATA LOGGING SYSTEM

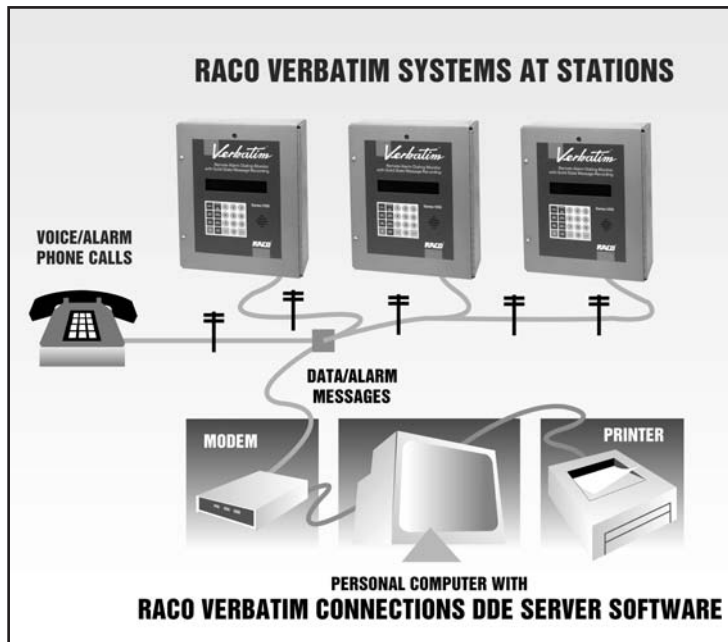
Hardcopy printouts of alarm data received from multiple remote Verbatim units. A Centralized Data Logging system is comprised of one or more Verbatim RTUs and a single, centrally located, auto-answer modem connected to a serial printer.* **Fax on Demand product code 607.**

LOCAL DATA LOGGING

With Local Data Logging, a printer is connected directly to a single Verbatim to provide hardcopy printouts of alarm data. Local Data Logging via a parallel printer port is standard on all Verbatim Systems. If serial printing is desired, the Verbatim must be equipped with a plug-in Communications Module.* **Fax on Demand product code 606.**

**All data recording and reporting methods require the use of a Communications Module plug-in circuit card.*

Cost effective options to expand your Verbatim capabilities...



DDE SERVER SOFTWARE FOR AUTODIALING IN MMI/SCADA SYSTEMS

RACO Verbatim Connections adds report-by-exception, alarm autodialing capabilities to any Windows™-based MMI/SCADA process control system that is Dynamic Data Exchange (DDE) aware. The Verbatim Connections System is a flexible hardware and software package consisting of the RACO DDE Server Software and one or more Verbatim Remote Terminal Units (RTUs) operating over standard dial-up telephone lines. The software sets up and supervises the autodialing function, which operates simultaneously with the process control system. Because Verbatim systems do not need to be polled, alarms are reported instantaneously and SCADA message traffic is minimized.

Fax on Demand product code 960.



CELLULAR ALARM AUTODIALING

The RACO Cellarm System combines a Verbatim unit with a cellular radio transceiver to provide temporary or permanent cellular phone service when conventional telephone lines are disabled or unavailable. All Verbatim alarm monitoring, reporting, and system status checking functions are included. The entire system is packaged in a rugged, NEMA 4X weather-resistant housing that is easy to transport and set up.

Fax on Demand product code 120.

TELEPHONE LINE SHARING SWITCH

Achieve significant line cost savings and line access flexibility. Our new Line Sharing Switch lets you take full advantage of the unused capacity of your phone lines by allowing up to two, three, or four telecommunications devices (phone, modems, fax, etc.) to share a single line.

Fax on Demand product code 122.

ORDER FORM-MAIL, FAX, OR CALL IN ORDER

**Please use one form per unit.*

NAME _____
 COMPANY _____
 MAILING ADDRESS _____
 SHIPPING ADDRESS _____
 CITY/STATE/ZIP _____
 PHONE _____
 FAX _____ E-MAIL _____
 VERBATIM SERIAL # _____

Ordering Information

Subtotal	
Sales Tax (CA)	
Shipping	
Grand Total	

Sales Tax required only if delivered in California. Include applicable sales tax @ .0725%, .0775%, .0800%, .0825%, .0850%.

Price List

OPTION	PRICE	QUANTITY
<input type="checkbox"/> Digital Input (4 standard)		
8 signals	\$200	
16 signals	1,000	
24 signals	1,600	
32 signals	2,200	
<input type="checkbox"/> Analog Signal Input**		
1 signal	440	
4 signals	815	
8 signals	1,315	
16 signals	2,315	
<input type="checkbox"/> Remote Supervisory Control**		
4 outputs	815	
8 outputs Includes relay output box	1,315	
<input type="checkbox"/> Modbus Interface Module**		
32 points, External Inputs	1,140	
64 points, External Inputs	1,765	
96 points, External Inputs	2,390	
<input type="checkbox"/> RACO Supervisory Control and Data Acquisition (SCADA) System		
Data Acquisition Software	1,500	
<input type="checkbox"/> Communications Module**		
SCADA	250	
Central Data Logging	250	
Local Data Logging	250	
<input type="checkbox"/> Verbatim Connections		
DDE Server Software	1,500	
<input type="checkbox"/> Cellular Alarm Autodialing		
Cellular unit less autodialing system	1,695	
<input type="checkbox"/> Telephone Line Sharing Switch		
2 lines	375	
3 lines	500	
4 lines	625	
<input type="checkbox"/> DCA-1 Daughter Card Assembly**	185	

***Plug-in circuit card that must be added to Verbatim Systems in order to permit the use of Analog Signal Input, Modbus Interface Module, Remote Supervisory Control, and Communications Module options. Only one DCA-1 is required per Verbatim unit.*

Shipping and Handling Charges:

Check shipping method and add to total	Charges per unit
<input type="checkbox"/> UPS Ground	\$15
<input type="checkbox"/> UPS 3-Day	\$20
<input type="checkbox"/> UPS 2-Day	\$25
<input type="checkbox"/> UPS Overnight	\$40

Payment Method

- Check or Money Order
 Purchase Order (Attached)
 Visa MC



Account Number

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Card Expires

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Signature _____

PO# _____

Upon receipt of order, Raco will call to make arrangements for service and delivery of loaner unit.

SINCE 1948

REMOTE ALARMS AND CONTROLS



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