

OMEGALARM AUTOMATION SYSTEMS  
COMPUTERIZED CENTRAL STATION  
FUNCTIONAL DESCRIPTION

CENTRAL

The Omegalarm Automation Systems Computer automates all routine central station operations. Scheduled signals are processed and recorded by a Data General Computer without operator intervention. Any irregularities are annunciated on a video display. This enables operators to concentrate entirely on resolving potential alarm and trouble situations in accordance with existing central station standards and procedures. Subscriber schedules, passcard numbers, dispatching information, activity logs, and holiday schedules are immediately available upon operator request. Signals received by your existing receiving equipment are decoded by means of unique proprietary interfaces and transmitted to the computer. All codes are compared to a subscriber's scheduled events. If all characteristics of the opening or closing are correct, the event is AUTOLOGGED in the subscriber's file and no operator action is needed. Irregular events or alarm conditions are immediately displayed on the Alarm Screen for operator action.

IRREGULAR SCHEDULES

An irregular schedule can be entered up to seven days in advance by an operator. The computer records the event and will process the signal at the time received and log the initials of the authorized person for efficient record keeping.

PASSCARDS

Passcards may be issued for each subscriber (up to 24 per account number). Passcard numbers include the subscriber number and a unique identifying number. Passcards are checked automatically for validity. An invalid pass number will not authorize an irregular opening, and will alert the operator to the error.

HOLIDAYS

Holidays can be added for each account number. When the holiday occurs, the computer will not expect an opening or closing and if one is transmitted, the signal will post to the Alarm Screen and identify that it is a holiday.

SUBSCRIBER FILES

An easily editable free form file is provided for each account number. 370 characters are available for subscriber's name, address, telephone number, call list, special messages and other data.



## REPORTS

The Data File Report allows the central station to print all permanent subscriber data, including the dispatch file, permanent schedule and passcard data and holiday schedule. The Subscriber Activity Report shows the last event for each subscriber, and previous events up to one month's time. Activity reports may be requested for pre-designated, selected, or all subscribers. Subscriber reports print address headings for window envelopes, simplyfying weekly mailings to customers. Late-to-close Report displays, on demand, all subscribers in open status who should be closed. A similar late-to-open report is also provided. This list can be displayed on the CRT or on a report printer, and can be selective as to which customers are printed. The system provides for automatic or on-request printing of alarm or special tickets. Any ticket format may be specified. Each ticket includes a sequential identifying number, time and date stamp, subscriber's last event, current status, and dispatch information. Special tickets may be used for service calls or other events. A complete audit trail is kept by the Omegalarm Automation Systems Computer on the All Events Printer, including all activities that have taken place in the central station, who was using the CRT at the time, and what changes an operator has made to irregular schedules.

## MCCULLOH

Provides automatic signal decoding for 96 circuits (single-pinned). Includes line fault and clash detection.

## MORSE MULTIPLEX

Handles up to 8 Morse SPC-5000 Multiplex units. English translation of status codes and grouping of status changes for each account are included.

## DIGITAL COMMUNICATOR

Handles most equipment with RS-232 output. Provides enhanced features for Radionics.

## DIRECT WIRE

Software ability to interface with current industry standard Direct Wire hardware interface units with RS-232 output.

# RADIONICS, INC.

## OMEGALARM AUTOMATION SYSTEMS

January 1981

### 9000D MERCURY SYSTEM

#### Digital Communicator Automation

Capacity:	6,000 Subscriber Capacity
Computer:	Data General 65KB - MP 100
Disk:	Data General 10 MB Cartridge Disk
Printer:	Centronics 704 Series (180 CPS)
Video Display:	Lear Siegler ADM31 (Two)
Price - Primary:*	\$29,500 (includes Digital software)
*Includes Radionics field installation and training (2 days)	

#### Special Features

- |                               |                                    |
|-------------------------------|------------------------------------|
| * Subscriber Mailouts         | * Passcard Verification            |
| * Alarm Tickets & Dispatching | * UL Approval Pending              |
| * Late-to-Close Reporting     | * Alpha - Numeric Scan             |
| * Auto Logging                | * Hexidecimal Acct. Number Display |
| * Irregular Schedule          | * Automatic System Start-Up        |
| * Holiday Schedule            |                                    |

<u>Options:</u>		<u>Price</u>
9100	Backup Computer (computer and disk only)	\$ 17,000
	Installation: Data General On-site Set up	150
9020	Interface for Morse Multiplex	2,000
9040	Software for Morse Polling Computer	3,000
9050	Software for Digital Communicators	3,000
9031	LSI ADM31 (For use as separate operation control station)	1,800
9730	Additional Printers: Centronics 730 (100 cps)	1,400
9704	Centronics 704 (180 cps)	2,150
9010	4 Additional Ports of I/O (Required for All Options)	1,400
6005	Radionics Omegalarm RS 232	750
9025	Digital Receiver requiring a hardware interface	2,000
9132	First 32 Circuits McCulloh (includes card cage)	3,700
9132A	Each additional 16 Circuits	1,200

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



RADIONICS, INC.

OMEGALARM AUTOMATION SYSTEMS

January 1981

9500 SERIES SATURN SYSTEM

I. AUTOMATED CENTRAL STATION

- . Data General Nova 3/12 Computer
- . 10 Megabyte Disk
- . 8 I/O Ports
- . Alarm Screen (TEC 455)
- . Operator Control Screens (2) (TEC 455)
- . Alarm Ticket Printer (Centronics 704)
- . Report Printer - (Centronics 704)
- . Event Printer - (Centronics 704)

	<u>Subscriber Capacity</u>	<u>Primary Computer</u>	<u>Back-Up Computer</u>
9532	2,900	\$ 63,000	\$25,000
9548	4,300	\$ 73,500	\$32,000
9565	8,000	\$ 80,000	\$35,000
9580	12,500 (20 MBD)	\$100,000	\$45,000

II. INSTALLATION CHARGE

\$ 4,600

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## LIST OF ENHANCEMENTS

- 1) ALPHA SCAN - This feature enables an operator to search quickly through all of the files, looking for a match. There are 2 keys, each with 8 left justified characters. These keys are built from the first 8 characters in each of the first two lines of the dispatch file.
- 2) EXPANDED OMEGALARM RECEIVER PROCESSING - Allows for individual identification of each zone.
  - A) A Z character ID code identifies the meaning of the zone (BA, MU, etc.).
  - B) The zone can be specified as an alarm-only zone (all signals are alarms) or as an opening zone (an alarm on that zone is the same as an opening) or as a closing zone (an alarm on that zone is considered as a closing report) or as an entry zone (an alarm on that zone is allowed during an opening or closing sequence).
  - C) The list of signals received since the last status change of an individual account can be displayed on request and is printed together with the status change information on the All Events Printer.
  - D) 2 way acknowledgment to guard against equipment failure. Equipment may be run in parallel.
  - E) Handle all of the Radionics transmissions (new equipment).
- 3) AUTOMATED SYSGEN PROCEDURE - This change simplifies our current start-up procedure so that all sysgen commands are typed into a CRT.
- 4) Alarm Screen with easy to read format.
- 5) 6000 Subscriber Capacity.
- 6) McCULLOH INTERFACE
  - . up to 96 single-pinned circuits
  - . line fault detection
  - . optical-isolation
  - . better clash resolution
- 7) MORSE PROCESSING
  - . handling of all 65 possible signals
  - . grouping of status changes by account
  - . grouping of current statues (all accounts in day-normal, etc.)
  - . two way acknowledgment to guard against equipment failure

## THE TWELVE MAIN FEATURES OF OMEGALARM AUTOMATION

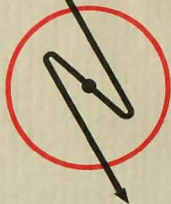
1. We can and already have installed Digital, Direct Wire, McCulloh, Morse Multiplexer and cable. Larse Centrak and Esterline are available on our large system.
2. Dedicated alarm screen has complete supervisor control of operator actions.
3. Rapid access to all information for display or printing.
4. Handles routine signal traffic (opening and closing) without operator intervention.
5. Large 6,000 subscriber capacity.
6. Full backup available for accounting, word processing, back-up equipment, etc.
7. UL approval pending (only documentation remaining for final approval).
8. High-quality, commercial-grade electronic equipment serviced on-site by qualified technicians.
9. We are field-proven with over 50 central stations in service for over 5 years providing totally uninterrupted service.
10. Powerful passcard system with up to 24 passcards per subscriber for a total of 144,000 passcards available.
11. Complete audit trail on all operator actions.
12. Full subscriber mailout with over 370 characters of additional space for personalized special message to customer.

BASE PRICE (INCLUDES DIGITAL OR MULTIPLEX SOFTWARE)

\$29,500



# RADIONICS INC.



OMEGALARM

**CARL WEIDMAN**  
REGIONAL SALES MANAGER

228 REINDOLLAR • MARINA, CA 93933 • (408) 384-8877





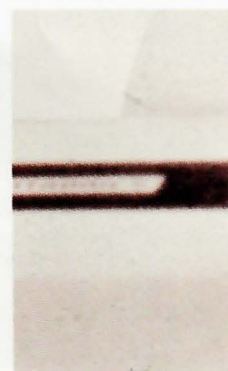
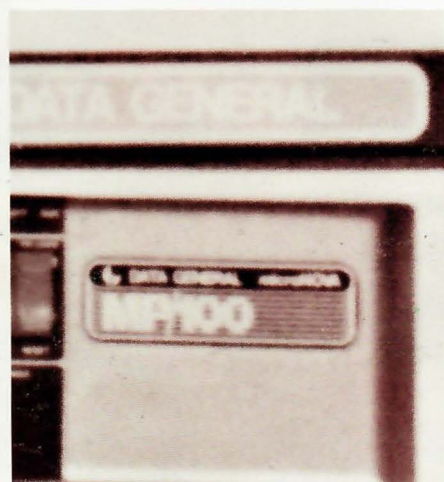
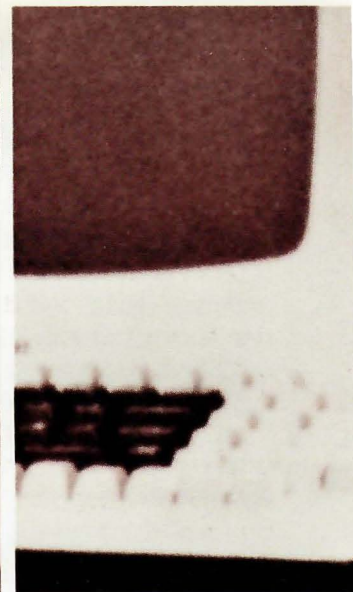
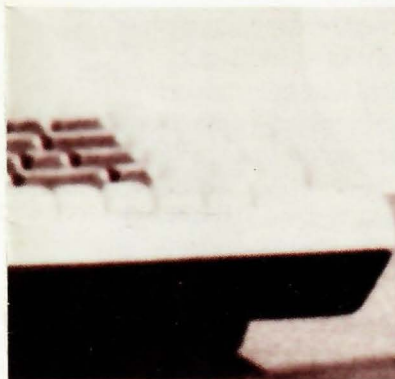
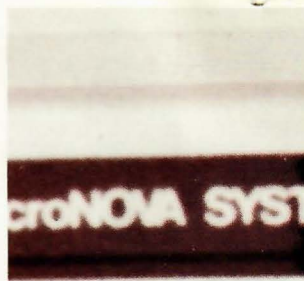
## You Can Operate A Complete Security Monitoring System With The Unique Quality And Performance Of Omegalarm

When purchasing your new system be sure that you select modern, innovative and full-featured equipment. And, that's Omegalarm. The service and dependability that you can offer your subscribers with a new Omegalarm System are unmatched by any other product. It's now possible for you to increase your subscriptions and service them more profitably as well. Radionics is happy to demonstrate all of Omegalarm's many features. Our unique design allows us to offer you a wide range of capabilities not found in other systems. And, our superior performance history is proof of the exceptional quality of Omegalarm: Radionics quality that begins with the initial design and workmanship, and continues through to the efficient servicing of Omegalarm after you make your purchase. Contact your nearest sales representative for all the details of this fully-integrated, fully-automated security monitoring system... The Omegalarm from Radionics.



# OMEGALARM

A PRODUCT OF RADIONICS INC.  
228 REINDOLLAR • MARINA, CALIFORNIA 93933  
(408) 384-8877 • (800) 538-5807 (EXCEPT CALIF.)



# OMEGALARM AUTOMATION

# Introducing A New Generation In Central Station Automation

Now there's low cost Central Station Automation available for the small and medium size alarm company. The new improved Omegalarm Automation system has a subscriber capacity of 6000, and for the first time makes McCulloh, multiplex, digital and direct wire automation practical in a small system. Now you **can** afford automation... Omegalarm automation... there's nothing else like it.

You can operate this new, fully integrated, fully automated alarm system, available only from Radionics. Omegalarm's wide range of capabilities allows you to operate much more

efficiently than other central stations which are run manually. So, you can increase your subscriptions and cut your costs. With Omegalarm's unique design and workmanship, the performance of your new system will be unsurpassed by any other equipment available. And, our products are guaranteed for their field-proven reliability. From the moment you purchase your system we provide careful servicing backed by our computer communications experts and our team of computer specialists.





# OMEGALARM—For completely reliable equipment that is cost effective

## Enjoy All The Features And Benefits Of A Fully-Automated Megalarm System

A new Megalarm Automated System can provide the most efficient and reliable interface between your central station signal receiving equipment and your central processing computer. All your scheduled signals can be processed automatically, leaving your operators free to concentrate on potential alarm and trouble situations. An Megalarm Automated Central Station can help you perform many additional functions faster, more efficiently, more reliably, and less expensively than a manual system.

### Now You Can Control Your Business

A visual record of all procedures is logged by our total audit trails, insuring you that all your services are accurately performed. A printed log of all your operator's actions are stamped with the time and operator's initials.

### Increase Your Business

A computer will make it possible for you to monitor an increased amount of opening and closing accounts at a minimal cost. It will also provide a visual log for the benefit of you and your subscribers.

### Reduce Your Costs

The costs of an automated system are substantially less than a manually run station. One operator can handle three times the subscriber activity with an Megalarm Automated System.

### Signal Monitoring

Incoming opening and closing signals are automatically recorded if they are routine. Exceptions are displayed to your operator.

### Mailouts For Your Subscribers

Subscriber mailouts are automatically printed for each reporting period with the date and time of events, and the name and address of your subscriber.

### Late-to-Close/Late-to-Open

Displays or print-outs are available on demand for all subscribers who fail to open or close at their scheduled time.

### Passcard Verification

Both permanent and temporary displays are available to verify that your operator has logged passcard numbers.

### Dispatch File Information

Displays and print-outs of up to 375 characters providing subscriber dispatch information are available upon your operator's request.

## Our special design brings quality performance from Megalarm

### Signal Processing

The signals received by your existing equipment are decoded by means of unique proprietary interfaces and transmitted to the computer. All codes are compared to your subscriber's scheduled events.

If all characteristics of the opening or closing are correct, the event is Auto-Logged in your subscriber file and no action by your operator is necessary. Irregular events or alarm conditions are immediately displayed on the Alarm Screen for your operator.

### Alarm Tickets

The Megalarm System provides for automatic or on-request printing of alarm or special tickets. You may specify any ticket format. Each ticket includes a sequential identifying number, time and date stamp, subscriber's last event, current status, and dispatch information. Special tickets may be used for service calls or other events.

### Subscriber Files

An easily editable, free-form file is provided for each of your subscribers, to include subscriber's name, address, telephone number, call list, holiday schedule, special messages or other data.

### Passcard files

You may enter up to 24 passcards for each of your subscribers. Passcard numbers include the subscriber number, and a unique identifying number.

### Reports

The Data File Report allows your central station to print all permanent subscriber data, including the dispatch file, permanent schedule, passcard data, and holiday schedule.

The Subscriber Activity Report shows the last eighteen events for each subscriber. You may predesignate Activity Reports, or you may request them for all subscribers or a selected list. Subscriber reports are printed with address heading positioned for window envelopes to simplify weekly mailings to subscribers. At your request the Megalarm system will display a report of all subscribers who are late to open or late to close.