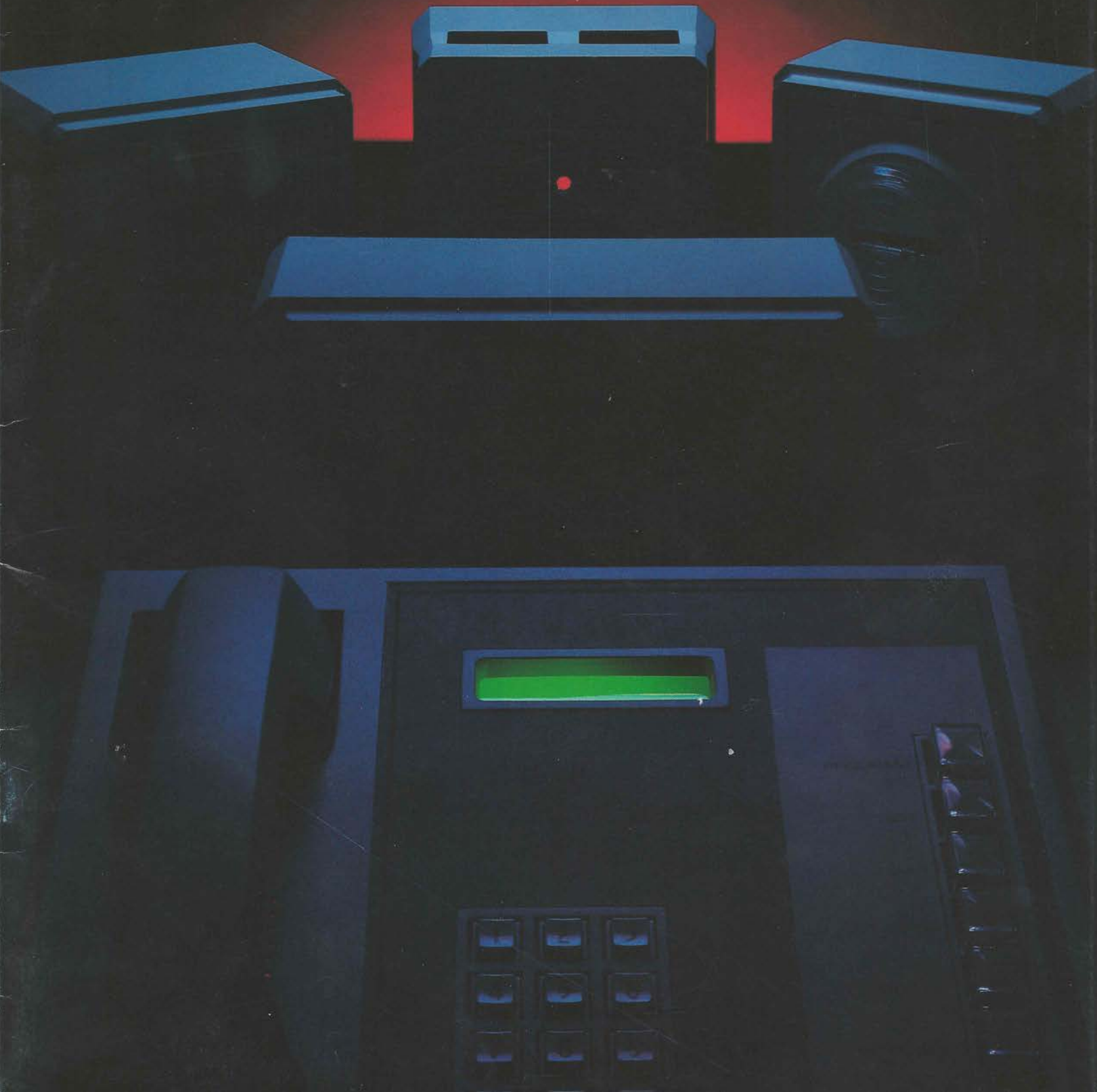


The Guardian™

A Preview



**The Guardian
Technological Advances**

"Smart Phone" as Central
Control Module

Radio Frequency Receive/
Transmit— System (wireless)*

Infrared/Ultrasonic with
Microprocessor Detection
Analyzer*

Multi-signal data train of
alarm condition to "A.R.M."
Central Control Center"*

Integrated System —
End-to-End responsibility

Automatic dial tone seizure

Ring Trip "Program"

Busy signal redial to "A.R.M."
Central Control Center"

Ambush "Program"

System test "Program"

Digitized Voice Chip

Wireless 123 DB speaker

Wireless 1,000,000 Lumen
Strobe

Digital Subcarrier*

Real Time Internal/External
Digital Clock

Long Distance Access Button

Remote Panic (Radio
Frequency Transmitted)

Liquid Crystal Display

*Patent applied for

The Evolution of a New Era in Communications

Innovations Timing Objectives

Divestiture

Research

Product Development

Residential
Mass Market
Needs

Top Growth
Industries

Business
Mass Market
Needs

Advanced
Technology

Product
Features

Product
Benefits

Telephony
Energy Control
Smoke/Fire
Detection
Security Detection

Microprocessors
CMOS
Infrared
Ultrasonic
Hybrid
L.S.I.
Digitized
Voice Chip
Word Data
Transmit
Radio
Frequency
Receive/
Transmit

Computer
Telephone
Security
System
Smoke/Fire
Detection
Energy Control
Appliance
Control
Central
Monitoring

Discount Long
Distance Access
Wireless System
Security
Smoke/Fire
Detection
Insurance
Discounts
Affordable

Competition

Quality Manufacturing

Analysis of Facts

Distribution Channel(s)

Decisions

Distributor Benefits

Value to
Existing Base
Value to New
Customers
Add-on
Revenue

Business
Mass Market
Residential
Mass Market
Rent/Lease/
Sell
Wireless

Central
Monitoring
Service
Discount Long
Distance Access
Price/Value
R.O.I.

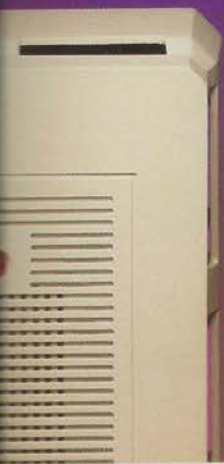
AT&T
B.O.C.s
Independent
Telcos
Common
Carriers
Interconnects
Direct

A.R.M.
Marketing

Guardian

One Who Manages
the Affairs of Others





The incredible technological opportunities created by the microprocessor have opened windows that were totally closed less than a decade ago. A.R.M., Inc. has synergistically applied advanced microprocessor technology with other leading-edge technologies to create a fully integrated communications system. This is the basis for The Guardian and the genesis of a new era in communications.



The Guardian is the successful result of combining the four basic marketing factors of human needs, technology, value and distribution with the disciplines of telephony, energy control, smoke/fire detection and security detection.

The TCM is the functional BRAIN of The Guardian system. Through its micro-processor common control, it can receive and transmit individual instructions (4,000 in the MCC) to and from the wireless discrete submodules and A.R.M.'s Central Control Center.

The TCM is a scientific advancement in applied system development. It can simultaneously communicate with the central control center, multiple submodules, manage multiple zones of electric control functions, and receive and place local, national and international telephone calls. The innovations contained in the TCM represent a quantum leap forward in "communication management".

TCM Voice Chip Features

"Intruder. Call Police!"

Activates at intrusion and repeats for length of programmed entry delay.

"Fire! Fire! call fire Department."

Activates following analysis of smoke density and repeats until manually reset.

"Low Battery unit ()"

Activates at receipt of low battery signal, identifies unit transmitting low battery signal, and repeats until battery is changed.

"System armed, thank you."

Activates when the system is armed, and repeats three times.

"System disarmed, thank you."

Activates when the system is disarmed, and repeats three times.

"Test complete."

Activates when manual test is complete, and repeats one time.

"Test fault. Call A.R.M."

Activates when manual test is complete, and repeats one time.

"Caution. Call A.R.M."

Activates when alarm condition occurs and system resets, and repeats until the system is disarmed.

TCM Features

Receive and Place Calls

Busy Signal — Auto Redial

Speed Dial — Two Digit Code (10 Total)

Single Button — OCC Access

DTMF/Touch Tone Capabilities

Liquid Crystal Display

Digital Subcarrier

Appliance/Lighting Control

Programmable Real Time Clock (On Hook Program)

Radio Frequency (Receive and Transmit)

"Complex" Digital Word Data Train

Automatic Intrusion Identification and Transmit

Automatic Smoke and Fire Identification and Transmit

Manual Lifeline Identification and Transmit

Panic Automatic Identification and Transmit

Ambush Automatic Identification and Transmit

Automatic Dial Tone Seizure

Multi Transmit of Alarm Condition to "Central Control Center"

Microprocessor Control/CMOS Technology

Digitized Voice

Ring Trip Hang Up

Battery Backup for Power Outages

System Test Function

Lightning/Transient Arrestor

Complete System Features Programmable from TCM

IDM

Intrusion Detection Module



A MAJOR TECHNOLOGICAL BREAKTHROUGH

The IDM is the first intrusion detection unit to merge two major detection technologies: ultrasonic (motion) and passive infrared (heat). These two technologies are monitored and controlled by A.R.M.'s new scientific microprocessor comparator analyzer.* When the analyzer is alerted by either of the two detectors, it runs an interrogation routine to determine (based upon pre-programmed instructions) if an actual intrusion has occurred.

When an intrusion has been verified by the analyzer, an alarm condition signal is transmitted to the TCM via A.R.M.'s unique integrated radio frequency system.* The "complex" design of the word data train transmitted to the TCM virtually eliminates the possibility of duplication from electromagnetic interference.

Utilization of both ultrasonic and infrared technologies enables the IDM to actively and passively monitor up to 600 square feet, and is specifically designed to virtually eliminate the major problem inherent in existing security systems . . . "false alarms."

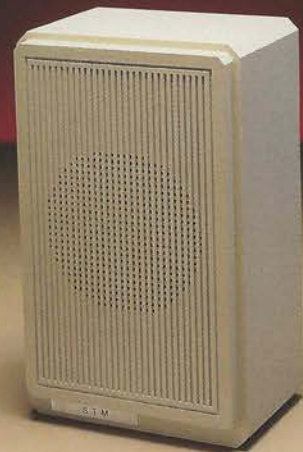
IDM Features

- Completely Wireless
- Passive Infrared Detection
- Active Ultrasonic Detection
- Microprocessor Comparator Analyzer
- Radio Frequency (Receive and Transmit)
- "Complex" Digital Word Data Train
- "Standby" Radio Frequency Receiver
- Battery Operated (9 Volt)
- Low Battery Indication Transmitted to TCM
- Low Battery Indicator at IDM
- Programmable Radio Frequency Transmission Identification
- Adjustable Infrared Optics
- Walk Test Function

*Patent applied for

STM

Sonic Transmit Module



The STM is unique in that it incorporates a radio frequency receiver and transmitter. Following a command from the TCM, the STM is activated and produces a piercing 123 decible warbling sound designed as an intrusion deterrent.

STM Features

- Completely Wireless
- 123 Decible Alarm
- Radio Frequency (Receive and Transmit)
- "Complex" Digital Word Data Train
- 110 AC to DC Conversion
- Programmable Automatic Timeout and Reset Sequence

OTM

Optical Transmit Module



The OTM gives The Guardian an added dimension in intrusion deterrence. Upon command from the TCM via the RF link, the OTM is instructed to trigger a one million lumen candle power strobe which pulses at 80 to 120 strobes per minute. Research and actual usage have shown that when the Optical Transmit Module works in conjunction with the Sonic Transmit Module they create an extremely effective intrusion deterrent.

OTM Features

- Completely Wireless
- 1,000,000 Lumen Candle Power
- Radio Frequency (Receive and Transmit)
- "Complex" Digital Word Data Train
- 110 AC to DC Conversion
- Pulsed Light-Emitting Optics
- Adjustable Timeout and Reset

SFDM

Smoke/Fire Detection Module



The SFDM incorporates a unique state-of-the-art photoelectric beam smoke analyzer. Operating in a 24-hour dependent/independent mode, the analyzer allows smoke/fire detection whether the TeleControl Module is in the armed or disarmed position.

The SFDM's photoelectric beam analyzer examines air samples at 5-to-1 second intervals. When the air density increases, the sample interval increases proportionately. When a 1-second interval level occurs, the SFDM automatically sounds an alarm and sends a RF signal to the TCM. The TCM transmits a coded signal to the central control center to dispatch the local fire department.

SFDM Features

- Completely Wireless
- Photo Electric Beam Smoke Density Analyzer
- 5-Second Pulse Air Sampler
- Battery Operated
- Radio Frequency (Receive and Transmit)
- "Complex" Digital Word Data Train to TCM
- 24-Hour Automatic Supervision
- Low Battery Indication to TCM
- Low Battery Indication to SFDM

The Central Control Center

The installation of a state-of-the-art computer network with nationwide monitoring and response capabilities completed the Company objectives of system integrity and end-to-end responsibility.

The center provides reliable emergency service to the Guardian subscribers, minimizes false alarms and aids the local emergency service in performing their duties.

The Guardian's 24-hour monitoring service plays a vital roll in responding to alarm conditions transmitted by the TCM. All alarms are instantaneously verified and when appropriate an emergency service is dispatched.

The Company will convey, through continuous national programs, this twenty-four-hour "Lifeline" concept to all subscribers of THE GUARDIAN.

Monitoring Methodology

Upon receipt of an alarm signal from the subscriber's TCM, the Central Control Center will automatically perform the following activities:

An alarm signal is received with specific encoding instructions to indicate which type of alarm condition exists (fire, intrusion, etc.).

The central monitoring computer station receives the data record and validates it by using "check digit" verification methods.

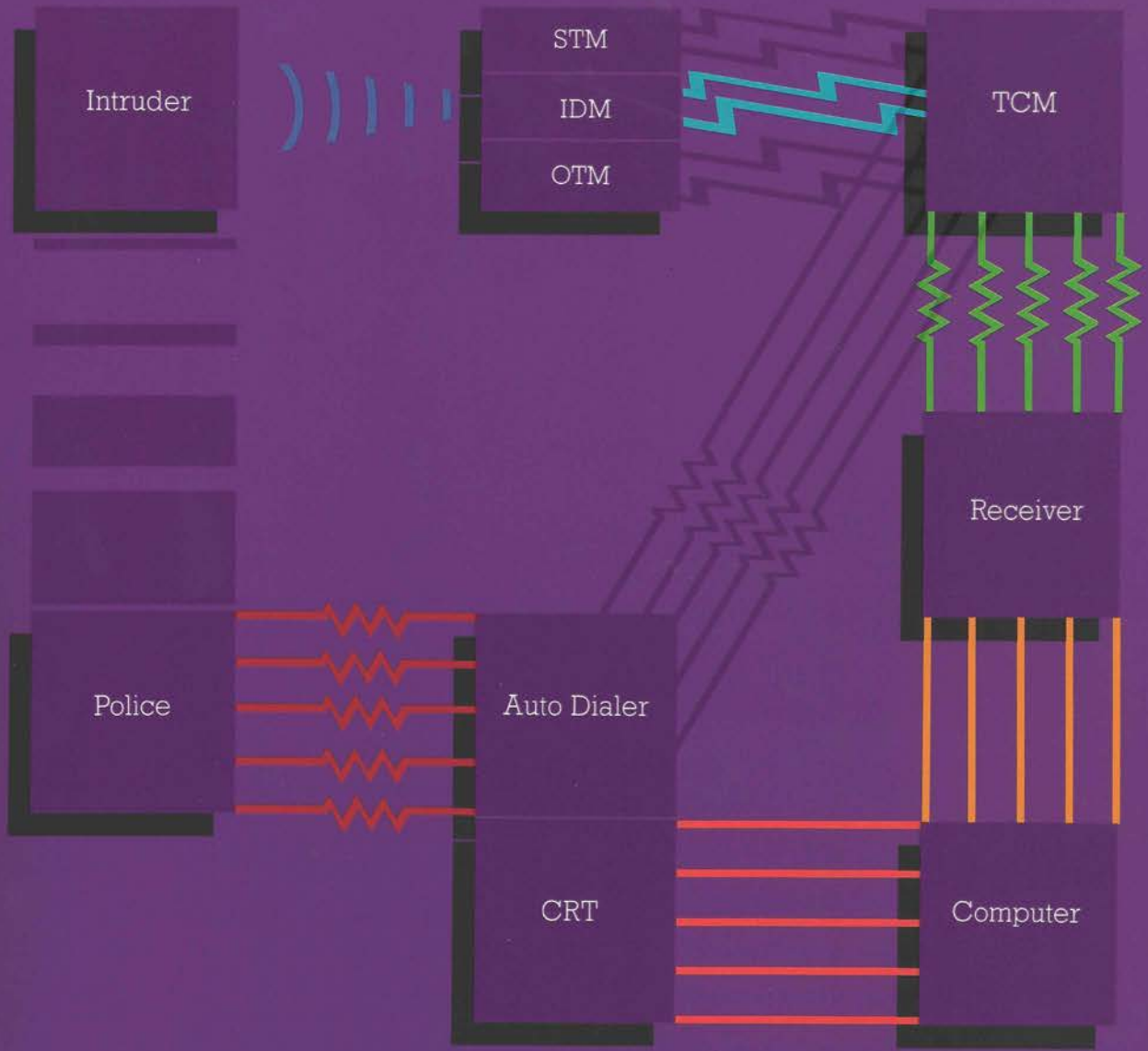
The verified data is transmitted to the central database which contains all pertinent subscriber information for immediate, on-line access.

A flash alarm screen will automatically present the subscriber information on the CRT screen at the operator's console. As the information is presented, a call is immediately outpulsed to the subscriber telephone for verification. This call is auto-

dialled by the computer to avoid any margin of error.

If the individual contacted confirms that the alarm was generated in error, they must clear the system by entering a predetermined "clearance code". If the "clearance code" is not accurate or is unobtainable, the system autodialls the appropriate local emergency service, based on the type of alarm and relays all pertinent information.

After a preprogrammed interval the local emergency service will be contacted for verification of all events. All follow-up information will be stored on-line for statistical reporting.



The Beginning ...