
RADIONET MONITORING INFORMER 12000 BASE STATION

INFORMER 12000 BASE STATION

INTRODUCTION

The **Informer 12000** is a single unit, which contains a radio receiver, decoder, power supply, inverter and stand-by battery. The **Informer 12000** uses processor technology to satisfy the advanced radio signal requirements of the security industry.

The **Informer 12000** is able to receive signals from 32000 radio transmitters. Signals received from RADIONET MONITORING transmitters are decoded and data is then sent to a computer and printer port. The **Informer 12000** is designed to meet all the requirements of the modern security control centre.



INFORMER 12000 BASE STATION

ARCHITECTURE

- Robust metal chassis
- Radio receiver
- 17 Amp. Standby sealed lead acid battery
- 12V dc to 220V ac inverter
- Microprocessor based signal decoder
- LED signal strength indicator
- Computer or serial printer interface with RS232 port
- Parallel printer port
- Real time clock and calendar
- Internal buzzer
- External clock setting



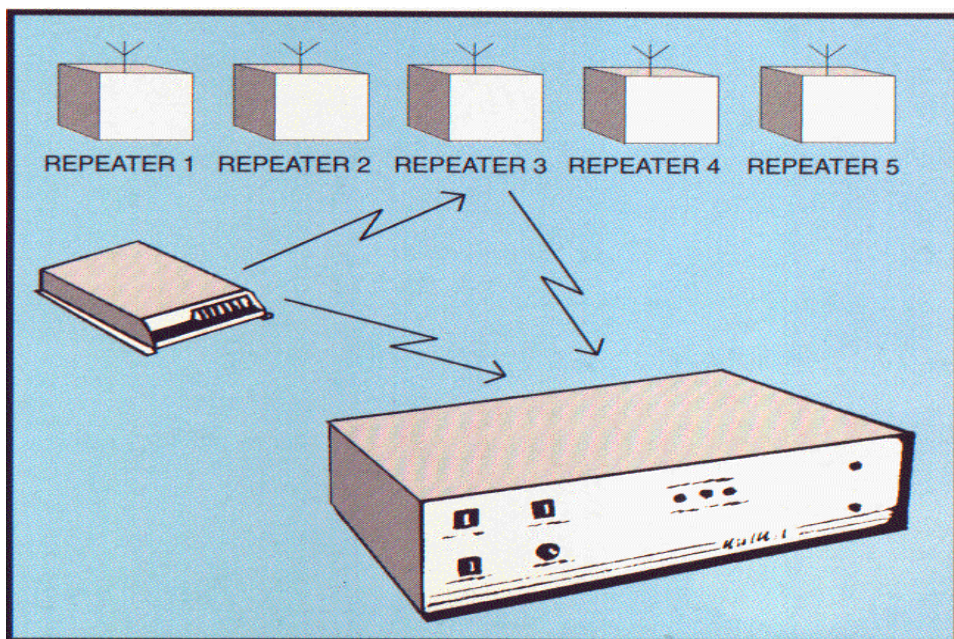
INFORMER 12000 BASE STATION

FEATURES

- Handles up to 32000 outstation codes
- Signal strength and signal path reporting
- Decodes Fast Format
- 8 Area codes to allow frequency overlapping
- 64 Group codes per area
- More than 6000 messages per hour can be processed
- Built in 220V Inverter and battery charger ($\pm$ 4 hours standby time in the event of a power failure)
- UPS – Printer power output
- Self-contained unit
- Unwanted carrier lock on reporting
- System status reporting
- Built in real time clock
- Self tests to printer and computer RS232 ports

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SINGLE USER WITH RADIONET MONITORING



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FEATURES

- Base low battery voltage detection
Message printed if battery voltage drops below 11.5V for more than 4 minutes. Reports only once per 24 hour period if condition remains.
When battery voltage is restored message is printed without delay.
- Base AC power fail detection
Message printed if AC power fails for more than 4 minutes.
Reports only once per 24 hour period if condition remains.
When AC power is restored message is printed without delay.
- Built in real time clock
Single button programming of minutes and hours.
Dual button programming of day and month.
Time and date printed each time a new message is received eg. "23:46:18 – 09 May".
Time accuracy of ± 1 minute per month.
Time printed every hour on the hour.
Keyswitch disables the setting of time and date.
- Built in watch dog timer
Keeps a constant watch on the microprocessor to prevent a system lock-up.
Continuous monitoring of RAM and I/O for errors.
- Built in 220V inverter and battery charger
220V at 50W available for printer supply only.
System operational for ± 4 hours in the event of a power failure.
- Built in buzzer and acknowledge button
Buzzer sounds for all new codes received except auto-test.
Buzzer sounds briefly for code repeats.
Buzzer silenced by pressing acknowledge button.
Code repeats valid for 60 seconds after new code.
Buzzer sounds once a minute if printer is off-line or printer power is switched off.

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FEATURES CONT/.

- System configuration
 - Up to 8 different programmable start codes.
 - Account code range programmable in 64 “blocks” of 500 each which enables user to only decode specific account codes.
 - EPROM types available:
 - *(0) Receives only direct messages from transmitters.
 - *(1) Receives direct and repeater messages from transmitters.
 - *(2) Receives direct and repeater messages from transmitters as well as repeater information signals.
 - Type displayed after full stop in start message version
eg. V8.1 = Type 1.
- Requirements for fully operational base
 - Base antenna and Coaxial cable.
 - Parallel printer and cable.
 - Base Station Model: RADIONET MONITORING BASE V8.X (X = 0/1/2 Version).
- Base station message through-put
 - More than 6000 messages per hour can be handled.
 - Message buffer of 255 messages.
- LED Indication
 - High and low LED's on after power up.
 - High, medium and low LED's on if RAM or I/O data error.
- End of day SERIAL NUMBER printed
 - Prints last SERIAL NUMBER (S/N) of day at midnight to indicate number of messages received per day and thus prevents printer tampering.
- RAM and I/O checking
 - Constantly monitors Base RAM and I/O device for errors and reports to printer as follows:
“RAM OR I/O ERROR”.

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RS232 COMPUTER PORT

The Informer is fitted with a 9-pin D-type RS232 port. Supplied with the system is a RS232 cable with connectors compatible with the **Informer** and your computer. There is no handshaking with the computer, the **Informer** simply supplies the information to the computer.

RS232 OUTPUT TO COMPUTER

- Message transmitted = Base No., Account No. (CSID) and information.
- Pins used on 9-pin D-type Connector: Pin5 = GND, Pin2 = TXD, Pin3 = RXD.

THE SERIAL ASCII DATA IS TRANSMITTED AS FOLLOWS:

- BAUD rate = 1200
- 10 Bits are transmitted consisting of 1 Start Bit, 8 Data Bits and 1 Stop Bit.
- There is no parity.

THE INFORMATION SENT IS:

\$02 Start of text.
5 Code characters {00000 - 32000}
3 Info characters {000 - 250}
\$0D Carriage return.
\$0A Line Feed.
\$04 End of transmission.

- Every 3 minutes the BASE will send an auto-test that has a code of 00000 and info of 000, and is sent in the same format as printed above.
- A message is transmitted from the base for every received signal.

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PRINTER PORT

The **Informer 12000** base system is fitted with a parallel printer port. This port is a 25-pin D-type connector. The **Informer's** printer protocol is compatible with all parallel printers. A standard parallel printer cable is used.

When a signal is received, the following information is printed:-

- Serial number
- 5 Digit code number
- Information - 1 of 250
- Time and date
- Signal strength
- Signal path

PARALLEL (CENTRONICS) PRINTER OUTPUT

- Drives any Centronics compatible printer with minimum printing speed of 120 CPS.
- Printer must be set for auto-line feed and auto carriage return.
- Buzzer sounds 4 times every minute if printer is off-line or power is switched off, and error message is sent to PC.
- Automatic extra line-feeds after new alarm for easy viewing