



SECURINESS

CDP 3000 System

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NETWORKED SURVEILLANCE SYSTEM

Detects both 2G & 3G mobile phone activity

- Supports up to 200 remote detectors
- License Free Radio link with a max range of 5km
- Special Repeater units can extend operational range or avoid RF hazards
- Easy installation and provides total mobility of detectors
- Options to add reactive jammers to system
- Different types of detectors can be used on the same system



Product description

With mobile phones getting ever smaller, they are increasingly being used in areas where they are forbidden. This technology is also becoming the preferred medium for bugs and other surveillance devices.

To combat these problems, PDA Electronics has developed the multi-purpose CPD3000 System which can monitor large areas for active cellular devices from a single location.

The CPD310 hub-shown above-can link via a license free radio link to several hundred remote detectors (CPD351 units) at distances of up to 5km . All remote alarm information is logged and special purpose printer provides a hard copy output.

System features

The CPD3000 is designed for both permanent temporary installations. With no wiring issues to worry about, CPD351 units can be quickly located in areas where early detection of cellular activity is required.



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In prisons where security walls can severely impair transmissions, the range from remote to CPD310 hub can be significantly reduced. To increase range or help avoid RF obstructions like perimeter walls etc, a repeater can be fitted into the system. The CPD391 unit is just place high in a suitable location. One antenna connector is for a suitable external antenna to link back to the hub location the other antenna is for the receiver. Where a clear line of sight can be obtained back to the hub antenna, the use of a high gain directional antenna on the CPD391 can greatly enhance the range. All CPD351 units which have no direct link to the 310 hub now are picked up by the local CPD391 and their transmissions are re-broadcast back to the hub. All CPD351 units on such a system all the use the same frequency and link settings. This allows the mobility of units which is so important a feature of the CPD3000 system.

For extra security any CPD351 can be connected to a standard ECM606 cellular jammer. Once the connection is made the hub will now identify the units as a reactive jammer designated by a "J" and the unit number instead of the normal "D". Every time the 351 detects cell phone activity, it immediately commands the jammer to fire on the appropriate bands for approximately 30 seconds. Again the jammer can be moved to areas of concern and the system automatically adjusts. For more permanent applications the CPD351 can be replace with an ECM616 which functionally is the same as a CPD351+ECM606 but everything is repackaged into a single unit.

The system also supports the ECM671 high powered jammer.

In the future other detector modules may be supplied such as satellite phone detectors (Thuraya and Iridium) and jammers.

Specifications

CPD351 Remote Detector

Frequency bands

The CPD351 is specifically engineered to monitor handset transmit frequencies only

- EGSM900 (880 – 915MHz)
- GSM1800 (1710 – 1785 MHz)
- W-CDMA / UMTS 2100 (1920 – 1980 MHz)

Additionally the unit will monitor frequencies from 400-500MHz which is used to suppress false alarms generated by harmonics produced by prison radios.

The unit is fitted with anti-tamper measures to prevent unauthorized interference with the system.

Radio Link

Frequency:	458.85MHz
Power	100mW
Effective Range:	5km (line of sight) using unity gain antennas

Battery life

Internal rechargeable batteries will give an operational life of better than 3 days on a full charge. Battery charging from the external 12VDC source is microprocessor controlled for optimum performance.

Physical

Case Aluminum Extrusion – 120 x 78 x 27mm
Weight 80 grams (including batteries).

CPD391 Repeater Unit

Same size as the CPD351 and uses the same external 12VDC power supply. Equipped with two BNC connectors – one for the link transmitter antenna and one for receiving transmissions from remote units. RF sensitivity control determines how many remote detectors can be picked up. Latest release software allows for up to 7 units to be supported in one system.

CPD310 Hub Unit

The link protocol is specially designed to facilitate high transmission efficiencies which allow up to 200 units to be support from one hub. Multi-tasking software allows for the reception of up to 15 simultaneous alarm transmissions. Unit can store up to 4096 alarms.

Physical: ABS case – 190 x 140 x 30mm

Display: 2 x 16 line LCD (white display on blue background with backlight)

Battery backed Real Time clock for accurate logging

Plug in Dongle for access to management controlled features.

Printer port: Supplies both power and data to attached thermal printer

Audio warnings: digitally controlled volume control up to a max output of 1 watt

Printer: Thermal printer producing a printout on a 2 1/4 inch wide (58mm) paper roll

System products

CPD310 Hub: Standalone hub with thermal printer Ring venligst for pris

CPD351: Remote detector Ring venligst for pris

CPD391: Link repeater module Ring venligst for pris

Alle priser er eksklusive moms, levering og installation