Unequaled **Flexibility**
in Perimeter Protection

PSP-200 Portable Intrusion Detection System

Light-weight, versatile and dependable, Fast-Guard "RF" IDS by Auratek Security *offers you peace of mind when you're on the move.*

Versatile • Reliable • Discreet
Easy to carry and store •
Simple to set up

Designed for:

Military Bases, Assets and Personnel

Temporary Back-Up Installations

Police and Protection Services

Aircraft and VIP Vehicles

Storage Compounds

Construction Sites

Observation Posts

AuraTek

www.auratek.net

Fast-Guard Portable Detection System by Auratek Security LLC will have your personnel and property secure in under 15 minutes.

Its strength is in its simplicity

The Fast-Guard "RF" IDS portable protection system is simple to understand – and simple to use.

The Fast-Guard "RF" IDS coaxial cable is simply installed around the perimeter of the building, property or assets being protected – it can be installed on a wall, along a surface, on a rooftop, underground, on a non-metallic support or even on top of a fence. This cable emits, or “leaks” multiple harmless radio-frequency signals.

A strategically placed receiver – in the form of a telescopic antenna or even another cable laid in parallel – monitors the signal. If there are any disturbances within a one-metre range of the transmitting or receiving cable, an alarm is triggered.

Disturbances along the perimeter are analyzed by a sophisticated, digital signal-processing algorithm, a system that is able to compensate for most environmental instabilities such as wind movement and small animals – nuisance alarms are virtually eliminated.

The ideal solution

PSP-200 – Each processor can protect up to 200 metres (660 ft.) with four, 50-metre (165 ft.) zones.

For lengthy perimeters, Wave-Guard is the ideal blend of versatility, discretion, system performance and cost.

Fast-Guard "RF" IDS

Your first choice in perimeter protection

Complete system-in-a-box

All electronics are housed inside one, portable case and all sensor cables are connected directly to the outside of the case. In just minutes, the system is calibrated and ready to go.

A standard cable-to-cable PSP-200 kit-four, 50-metre (165 ft.) zones-contains:

Qty	*Part #*	*Description*
1	PSP-200	Portable signal processor
1	TA-24	24” telescopic antenna
1	ACC-KIT	Accessories kit
4	2-TV-16-AMP	2 frequency transmitter
4	T-LOAD	Termination load
4	RG-11-TS	25m (80m ft.) lead-in cable, 100% shield
8	RG-11-LB	50m (165 ft.) sensor cable, 40% shield

Also available:

- a voice enunciator module that allows you to transmit, via your own set of hand-held radios, pre-recorded or personalized audio alarm messages;
- a wireless monitor pack that allows to supervise up to 16 sensors.
- rechargeable batteries that will give you up to 48 hours of uninterrupted power; and
- solar panels that allow you to recharge the batteries during the day for maximum use.

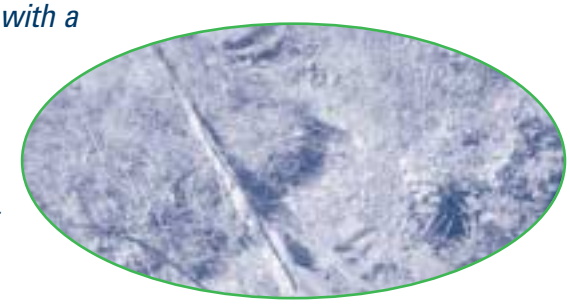
For more information, see “Options” on the back of this brochure

Protection Services

Vocal Alarm Reporting

Versatile
It can be buried in concrete, asphalt, gravel or soil. It can be installed on a wall, along a surface, on a rooftop, underground, on a non-metallic support or even on top of a fence.

Discreet
Its design offers maximum protection with a minimum change to the outward appearance of a property.



Surface Applications

Covert
This assures an increased chance of detection and a decreased chance of the system being defeated.

Reliable
The system is calibrated to resist alarm activation by small animals or weather.

Adaptable
Over hills, through dense bush, around corners-it can follow the shape of any terrain without leaving blind spots.

Redeployable Applications

Easy to set up
It can be installed by a non-technical person in less than 15 minutes.

Independent
Both rechargeable batteries and solar panels are available to ensure extended usability.

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Specifications

System PSP-200

Zone lengths*

Four zones per processor, each up to:

- 30 m (100 ft.) typical, using RG-11 cable
- 50 m (165 ft.) maximum, using RG-11 cable

*Zone length can be limited by configuration.

Zone sizes

Buried and surface:	2 m (6.5 ft.) wide x 1 m (3.5 ft.) high
Roof-top and wall:	1.5 m (5 ft.) wide x .75 m (2.5 ft.) high

Speed crossing range

Minimum:	60 seconds/step
Maximum:	8 steps/second

Installation time

Using preset frequencies:	15 minutes
Scanning if non-preset	25 minutes

External AC/DC supplys

To operate:	11-18 Vdc
To operate and charge:	14-18 Vdc

Internal DC current consumptions

For power out = 16 dBm:	950 mA
For power out = 0 dBm:	750 mA

Operating temperatures

-40°C to +70°C (-40 °F to +160 °F)

Storage temperatures

-45°C to 85° (-50°F to 185°F)

Dimensions (portable case)

36 x 27 x 17 cm (10.5" x 14" x 6.25")

Weight

9 kg (20 lbs.)

Cable

Sensor cable	RG-11 60% copper braid shield
Lead-in cable	RG-11 triple shield (foil, braid and foil)
Life time	10 years typical (function of handling practice)
Connector	TNC male (thread-type)

Transmitter and Receiver

I/O impedance	75 Ohm nominal
Frequency range (must be specified in advance)	TV band 76 to 88 MHz
Built-in antenna (if necessary)	Telescopic 0.75 m (2.5 ft.) long, (if necessary) mounted on the chassis of the case. 3 dB gain, linear polarization.
I/O connectors	TNC female (thread-type)

Output powers

• with external amplifiers:	0 dBm or 16 dBm
• with no external amplifiers:	-100 dBm

Radiated field strength (with 0 dBm output power)

Transmit in dipole antenna:	60 mv/m @ 3m
Transmit in sensor cable:	200 uv/m @ 3m

User Interface

Inputs

Zone sensitivity adjustements

Outputs (via form C relay 2A @ 30 VDC)

Zone alarm, Tamper, System Failure, Battery-level indicator.

RS-232 (9 pins female D-sub)

All of the above input and outputs feature, plus
Selection of transmitter frequencies per zone
Crossing speed adjustments per zone
Frequency spectrum adjustments per zone
Time response trace for each frequency used
Monitoring of system operation and diagnostics
Remote access via modem

Options

Vocal Alarm Enunciator (VAM-041)	A dry-relay activated voice transmission unit that interfaces with most hand-held two-way radios. Two-way radios not included.
Wireless Transmitter (W-TX-MP-01)	1 zone wireless alarm transmitter
Wireless Receiver (W-RX-MP-16)	16 zone wireless alarm receiver
Rechargeable Battery Unit (RBU)	Portable case that can hold 6 x 6Vdc / 10Ahr for a total of 48 hours. Multiple units can cascade. Accepts solar panel input power.
Solar Panel (SP-36)	Charges RBU batteries during the day.
Portable Cable Reel (PCR-100)	Hand carry, holds 100 m (330 ft.) of RG 11. Total weight 12 kg. (25 lbs.).
Transportable Cable Reel on wheels (TCR-400)	On wheels, holds 300 m (1000 ft.) of RG-11. Total weight 40 kg. (90 lbs.).
External Antenna (LCG-82)	Coaxial dipole used as a remote antenna, 1.5 m (5 ft.) in length. (half length).
Tripod (TP-3)	3 m (10 ft.) high telescopic for the external antenna. Weight 7 kg. (15 lbs.)

Approvals

Function of configuration (see Application Notes)
FCC Certification (USA) FCC No: NQD300
Part 15 subpart 239 Class B & C
IC Certification (Canada) IC No: 2948102847A
Specification RSS 210 Issue 2

Regulations

Regulations limit the maximum radiated power. Please consult your local regulatory agency for more information.
Transmission via sensor cable is license-free and not restricted in application. (FCC-15.239 in USA and RSS 210 in Canada)
Transmission via antenna is license free under RSS 123 in Canada and may be restricted in application.

For more information on how Fast-Guard "RF" IDS can help you meet your perimeter-protection needs, contact:

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Printed in USA P-02