

P3 MRSS

**MOBILE REMOTE SENSING SYSTEM
FORCE PROTECTION/FORCE MULTIPLICATION**

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Frequently Asked Questions

What types of radios will interface with this system?

Motorola: Saber, XTS3000, XTS5000, HT1000, HT1250, MTS2000, MT2000
ICOM: ISR
Ericsson: LPE200
Kenwood: Various Models

NOTE: Microphones and cables for the Motorola HT-1000 are standard with the P3™ Systems; others maybe an additional cost.

What are detection ranges of the sensors?

The P3 100™ Microwave detect movement within a conical-shaped detection zone of 20-30 feet in diameter at its widest point. The P3 300™ Optical Trip Wire is a "beam-break" sensor pair consisting of a receiver and transmitter. The two sensors can be placed up to 90 feet apart and can be "misaligned" up to 3.5 feet between receiver and transmitter.

What are the ranges of the decoder/BWM?

The P3 200™ Decoder can receive transmissions from up to 300 yards from the deployed sensors [500 yards Military Power]. By leaving the Decoder connected to a standard communications radio within this 300 yard range, the Decoder acts as a "repeater" and can broadcast messages within full radio range. NOTE: The P3 MRSS can be used as a stand-alone system--it will report a breach message up to 300 yards without being connected to a radio.

How long can the system's batteries operate?

Batteries on all system components operate from 170 to 200 hours before recharge, depending on the number of sensor activations.

What is the recharge time on the system's batteries?

Battery recharge time on all system components is approximately 2.5 hours. A 95% charge should be achieved after 1.7 hours.

How much does the complete unit weigh?

"Field weight" of the complete WK8 Sensor System™, including carrying case, is 8.5 pounds.
"Field weight" of the complete WK16 Sensor System™, including carrying case, is 10.5 pounds.
An optional soft sided carrying case is available.

Can multiple sensors be deployed in a single sensing zone?

Yes. As an example, the WK16 Sensor System™ contains (16) P3-100 Point Sensors™ numbered one through 16. It also contains three P3-300 Optical Trip Wire™ pairs numbered one through three. A microwave point sensor numbered "One" and an optical trip wire pair numbered "One" can both be deployed using the P3-200 Decoder™ Channel "One". When either sensor is triggered, the pre-recorded message for Channel One will be broadcast. Additional sensor components can be purchased separately to provide additional sensing capabilities for each P3-200 Decoder™ Channel.

What are typical Tactical Team applications?

Sensors can be covertly deployed for up to a week within or on the exterior of any structure suspected of housing criminal activity. By leaving a P3-200 Decoder™ connected to a radio unit within 300 yards [500 yard Mil. Power] of the sensors, Tactical Team members can be notified in real time of monitored activity within the full distance of their radio range.

Sensors can be covertly deployed within, under or near vehicles suspected of use in criminal activity to monitor when a suspect begins travel.

In hostage or barricade situations, sensors can be deployed on the exterior of standard construction buildings or in adjacent rooms, hallways and stairways to monitor location of movement.

In "Columbine-type" building clearance situations, sensors can be used to monitor "cleared" areas to prevent unexpected rear-attack.

What are typical Patrol applications?

Deploy sensors in all types of routine and high-risk surveillance situations to increase officer safety and reduce necessary personnel.

Deploy sensors on the exterior of known locations of warrant service targets.

Sensors can be deployed around a remotely located law enforcement surveillance vehicle to protect officers against ambush.

The P3-300 Optical Trip Wire™ can be deployed across known and suspected illegal border routes such as paths, roads, bridges and rivers to monitor migration along border areas.

Are there temperature restrictions when using the system?

All system components function properly in temperatures ranging from -20C to 60C (-4F to 140F).

Is the system water-resistant?

All system components are water-resistant.

Are the sensors available in camouflage colors?

Millennium Sensor's off-the-shelf sensor components are available in flat black. Desert, snow or forest camouflage tape accessories are available for your camouflage requirements. Tape is weather resistant and non-stick residue.

Why don't the Optical Trip Wire receivers have numbers like the rest of the sensors?

The Optical Trip Wire receivers can operate with any Optical Trip Wire transmitter, and do not need numeric identification.

Can I use an earpiece so that sensor activation notices are announced covertly?

Yes, depending on what radio you are interfacing with. Call for additional information.

I have deployed sensors and they seem to be activating without any motion in the area. What does this mean?

You probably have placed several sensors in overlapping sensing zones and they are activating each other. Make sure when you deploy the sensors they are far enough apart the sensing zones do not overlap.

What is your Customer Support Center telephone number?

For customer support, call 303.255.0210 Monday through Friday from 9:00 a.m. to 6:00 p.m., MST.