



Wireless Sensors



Wireless Sensors

Point Six offers an expanded line of wireless sensors to measure temperature, relative humidity, pressure, vibration, analog voltage and current, and discrete digital inputs. Each sensor is battery operated and fitted with a microprocessor controlled 418 MHz radio transmitter.



Point Sensor Pulse Counter

The Point Sensor Pulse Counter wireless transmitter is a battery operated digital counter with a microprocessor controlled 418 MHz. FCC certified radio transmitter



Point Sensor Thermistor

The Point Sensor Thermistor wireless transmitter is a battery operated 10K thermistor interface with a microprocessor controlled 418 MHz.



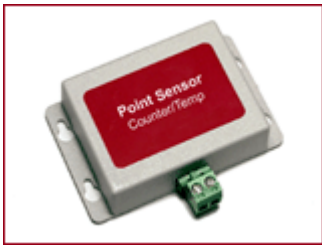
Point Sensor Power Monitor

The Point Sensor Power Monitor wireless transmitter is a battery operated 12 bit analog-to-digital converter with a microprocessor controlled 418 MHz.



Point Sensor Magnetic Door

The Point Sensor Magnetic Door wireless transmitter is a battery operated digital counter sensor with a microprocessor controlled 418 MHz.



Point Sensor Counter/Temperature

The Point Sensor Counter/Temperature wireless transmitter is a battery operated digital counter and temperature sensor with a microprocessor controlled 418 MHz.



Point Sensor Motion

The Point Sensor Motion sensor is a battery operated digital motion sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter.



Point Sensor Vibration

The Point Sensor Vibration sensor is a battery operated digital vibration sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter.



Point Sensor IR Counter

The Point Six IR Point Sensor is a battery operated infrared beam interruption sensor with a 418 MHz radio transmitter. The sensor consists of two parts; the IR transmitter and the IR receiver. The IR receiver has an integrated 6-digit LCD counter and a radio transmitter for truly wireless installation and operation.



Point Sensor Temperature

The Point Sensor-Temperature is a battery operated digital temperature sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter.

Custom versions available for OEM's.



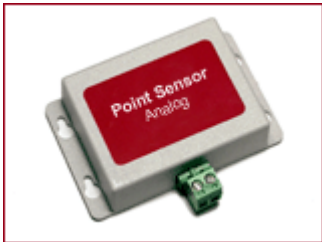
Point Sensor Temp/Humidity

The Point Sensor-Temp/Humidity is a battery operated digital temperature and relative humidity sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter.
Custom versions available for OEM's.



Point Sensor Analog 5V

The Point Sensor Analog 5V wireless transmitter is a battery operated digital 0-5 V. Input analog-to-digital converter with a microprocessor controlled 418 MHz. FCC certified radio transmitter.
Custom versions available for OEM's.



Point Sensor Analog 10V

The Point Sensor Analog 10v wireless transmitter is a battery operated digital 0-10 V. Input analog-to-digital converter with a microprocessor controlled 418 MHz. FCC certified radio transmitter.
Custom versions available for OEM's.



Point Sensor Analog 20mA.

The Point Sensor Analog 20mA wireless transmitter is a battery operated digital 0-20 mA. Input analog-to-digital converter with a microprocessor controlled 418 MHz. FCC certified radio transmitter.
Custom versions available for OEM's.

Repeaters



Point Repeater 4.9.9

The Point Repeater 4.9.9 is a 418 MHz RF receiver with an integrated 900 MHz transmitter.



Point Repeater 9.9

The Point Repeater 9.9 provides a means of extending the range of 418 MHz battery powered sensors via Point Repeater 4.9 and 900 MHz

Receivers



The Wireless Point Family

A complete family of wireless RF sensors, transmitters, loggers, repeaters, receivers and servers spanning the 418MHz. to 2.4GHz frequency range. With an emphasis on modularity and compatibility, The Point Family is ideally suited for a broad range of applications from basic telemetry to custom engineered wireless networking solutions.



Point Manager

The Point Manager is a 418 MHz, 433 MHz, 900 MHz or 2.4 GHz RF receiver with an integrated data Web Manager.

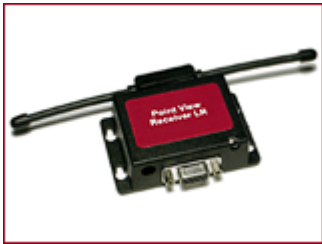
Custom versions available for OEM's.

[Click Here to see real time data.](#)



TZR-MA

The TZR-MA uses an embedded 100-milliwatt frequency hopping wireless modem that provides communication between a local RS485 network and a remote network of RS485 connected devices.



Point View LR

The Point View is a 418 MHz radio receiver designed to receive and decode packet data from all Point Six Transmitters. No hardware handshaking or command protocol is required; all data packets are decoded and transmitted serially as they are received.



Point Host

The Point Host is an RS232 or RS422 (two models) 418 MHz radio receiver designed to receive and decode packet data from Point Six Wireless LLC Point sensors. The Point Host decodes the CRC-16 encoded packets and translates them to ASCII strings that are sent out the RS232 or RS422 serial port at 19200 Baud.

Custom versions available for OEM's.



Point Server

The Point Server is now available for shipping.

The Point Server is a 900 Mhz or 2.4 GHz RF receiver with an integrated data Web server, designed to work with the Point Repeater. It receives CRC-16 error-checked data packets from Point Six's sensors, processes the data, and makes the data available to be queried by simple ASCII commands or through dynamic HTML.

Custom versions available for OEM's.

[Click Here](#) to see real time data.



Point Transceiver 2.4

The Point Transceiver is a general purpose compact data transceiver perfect for those needing high performance and dependable operation. It's wireless modem transfers data at 9600 or 19200 baud up to ¼ mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.



NEW **Point Transceiver 900**

The Point Transceiver is a general purpose compact data transceiver perfect for those needing high performance and dependable operation. It's wireless modem transfers data at 9600 or 19200 baud up to ¼ mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.



Point Manager

The Point Manager is a 418 MHz, 433 MHz, 900 MHz or 2.4 GHz RF receiver with an integrated data Web Manager.

Custom versions available for OEM's.

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Point Server

The Point Server is now available for shipping.

The Point Server is a 900 Mhz or 2.4 GHz RF receiver with an integrated data Web server, designed to work with the Point Repeater. It receives CRC-16 error-checked data packets from Point Six's sensors, processes the data, and makes the data available to be queried by simple ASCII commands or through dynamic HTML.

Custom versions available for OEM's.

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NEW

Wireless Output Modules



418 MHz Receiver

The Point Six 418 MHz unit receives the RF signal from one or more wireless temperature or humidity transmitters which have a range of 100 feet. The receiver then outputs the values to any Analog Output Module through an RS485 four-wire bus.



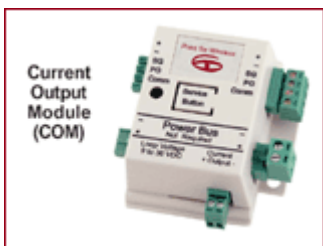
418 MHz to 900 MHz Repeater

The Point Six Repeater receives the 418 MHz RF signal from one or more wireless temperature or humidity transmitters which have a range of 100 feet. The Repeater re-transmits the signal at 900 MHz to a distance of 1000 feet to a BAPI 900 MHz Receiver.



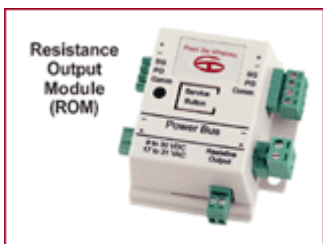
900 MHz Receiver

The Point Six 900 MHz unit receives a repeated or re-transmitted RF signal from one or more wireless temperature or humidity transmitters. The transmitter signal (418 MHz) is received by a Point Six Repeater and then re-transmitted at 900 MHz up to a 1000 feet to the 900 MHz Receiver.



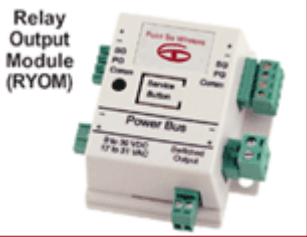
Current Output Module (COM)

The Current Output Module (COM) converts the data from the Wireless Receiver into a linear 4-20 mA signal for the DDC controller.



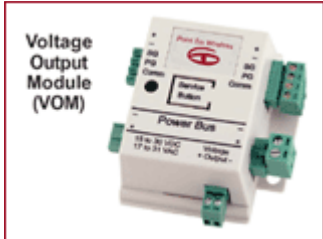
Resistance Output Module (ROM)

The Resistance Output Module (ROM) converts the data from the Wireless Receiver into a Resistance for the DDC controller. The unit is factory calibrated to output a 10K-2 or 10K-3 thermistor curve.



Relay Output Module (RYOM)

The Relay Output Module (RYOM) converts the data from the Wireless Receiver into a floating switch closure for the DDC controller. It is typically trained to the occupant override button on the side of the BAPI wireless temperature and/or humidity transmitter.



Voltage Output Module (VOM)

The Voltage Output Module (VOM) converts the data from the Wireless Receiver into a linear 0-5 volt or 0-10 volt signal for the DDC controller.



Dinrail TZR-MA

The TZR-MAD uses an embedded 100-milliwatt frequency hopping wireless modem that provides communication between a local RS485 network and a remote network of RS485 connected devices.



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Point Manager

The Point Manager is a 418 MHz, 433 MHz, 900 MHz or 2.4 GHz RF receiver with an integrated data Web Manager.

Custom versions available for OEM's.

[Click Here](#) to see real time data.



Point Sensor Analog 5V

The Point Sensor Analog 5V wireless transmitter is a battery operated digital 0-5 V. Input analog-to-digital converter with a microprocessor controlled 418 MHz. FCC certified radio transmitter.

Custom versions available for OEM's.



Point Sensor Analog 10V

The Point Sensor Analog 10v wireless transmitter is a battery operated digital 0-10 V. Input analog-to-digital converter with a microprocessor controlled 418 MHz. FCC certified radio transmitter.

Custom versions available for OEM's.



Point Transceiver 2.4

The Point Transceiver is a general purpose compact data transceiver perfect for those needing high performance and dependable operation. It's wireless modem transfers data at 9600 or 19200 baud up to ¼ mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.



NEW Point Transceiver 900

The Point Transceiver is a general purpose compact data transceiver perfect for those needing high performance and dependable operation. It's wireless modem transfers data at 9600 or 19200 baud up to ¼ mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.

XRPS Family

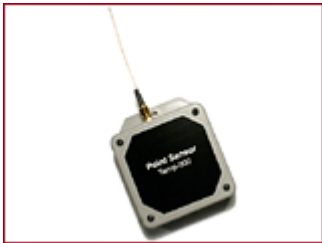


The XRPS product family consists of Temperature, Humidity, Thermistor (10K & 100K), Pulse Counter, and Analog Input Modules with integrated 100mw, 900 MHz Spread Spectrum Frequency Hopping transmitters for long range performance.



NEW Point Sensor Temperature/Humidity 900

The Point Sensor Temp/Humidity-900 sensor is a battery operated temperature and humidity sensor with a microprocessor controlled 900 MHz. FCC certified radio transmitter.



NEW Point Sensor Temp-900

The Point Sensor Temp-900 sensor is a battery operated digital temperature sensor with a microprocessor controlled 900 MHz. FCC certified radio transmitter.



NEW Point Sensor Thermistor 900

The Point Sensor Thermistor 900 wireless transmitter is a battery operated 10K ohm thermistor interface with a microprocessor controlled 900 MHz.



NEW Point Sensor Analog Input

The Point Sensor Analog 900 wireless transmitter is a battery operated 12-bit analog-to-digital converter with a microprocessor controlled 900 MHz.



NEW Universal Output Module

The Universal Output Module (UOM) provides analog output in both voltage and current forms as well as discrete form-C relay output.



NEW Point Sensor Pulse Counter 900

The Point Sensor Pulse Counter 900 wireless transmitter is a battery operated digital counter with a microprocessor controlled 900 MHz, FCC certified radio transmitter.



Point Manager 900

The Point Manager is a 900 MHz or 2.4 GHz RF receiver with an integrated data Web Manager.



Point Repeater 9.9

The Point Repeater 9.9 provides a means of extending the range of 418 MHz battery powered sensors via Point Repeater 4.9 and 900 MHz



IAU

16 Channel General Purpose Input Board



Point Server 900

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NEW Point Transceiver 900

The Point Transceiver is a general purpose compact data transceiver perfect for those needing high performance and dependable operation. It's wireless modem transfers data at 9600 or 19200 baud up to ¼ mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.



TZR-MA

The TZR-MA uses an embedded 100-milliwatt frequency hopping wireless modem that provides communication between a local RS485 network and a remote network of RS485 connected devices.

IR Traffic Counters

Click on Image Captions to View Sample Applications



Point Sensor Directional People Counter

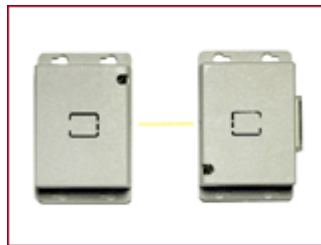
- Dual IR Beams for Directional Counting
- Battery life up to 2.5 years
- 15 ft. or 25 ft. IR transmission range
- Up to 600 Ft. radio range
- 6.3" X 1.7" X 1.2" ABS enclosures



Front Firing IR Beams

Point Sensor Directional People Counter-900

- Dual IR Beams for Directional People Counting
- Battery life up to 4 years
- 25 ft. IR transmission range
- Up to 1300 Ft. radio range
- 4.53" X 2.56" X 1.57" polycarbonate enclosures



Front Firing IR Beams

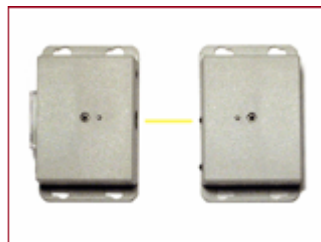
Point Sensor IR Counter-LL

- IR beam-interrupt 24-bit People Counter
- Front or Side Firing IR Beam
- Up to 30 Ft. IR transmission range
- Up to 600 Ft. radio range
- 2.5" X 2.0" X 1.0" ABS enclosures

Side Firing IR Beams



Front Firing IR Beams



Side Firing IR Beams

Point Counter

- IR Beam Traffic Counter
- Battery powered - up to 2 year operation
- Local display
- Integrated 418MHz/433MHz transmitter
- High Impact ABS Enclosure (1.3" x 2.1" x .6")



Side Firing IR Beams

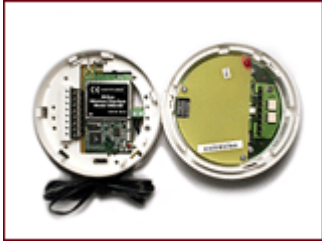
Point Counter Plus

- IR Beam Traffic Counter
- Extended battery - up to 6 year operation
- Integrated 418MHz/433MHz transmitter
- High Impact ABS Enclosure (1.3" x 4.2" x .6")

IRISYS Camera Interface Products



IRISYS Family of Products



NEW IRISYS Integrated Radio

The IRISYS Camera Interface is designed to wirelessly enable the IRISYS Thermal Imaging Camera.



NEW Wireless IRISYS Camera Interface

The IRISYS Camera Interface is designed to wirelessly enable the IRISYS Thermal Imaging Camera. Specially engineered to be completely plug compatible, it has a RJ 45 connector for quick and easy connection to the camera.



NEW Point Sensor P2P-DP

The P2P-DP converter can be used to convert dual counter output pulses to standard Point Six radio packets or to convert standard radio packets to dual pulse output.



NEW Point Sensor P2P-IC

The P2P-IC converter can be used to convert Irisys counter output pulses to standard Point Six radio packets or to convert standard radio packets to Irisys pulse output.



Point Manager

The Point Manager is a 418 MHz, 433 MHz, 900 MHz or 2.4 GHz RF receiver with an integrated data Web Manager.

Custom versions available for OEM's.

[Click Here](#) to see real time data.

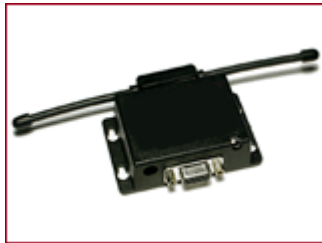


TZR-MA

The TZR-MA uses an embedded 100-milliwatt frequency hopping wireless modem that provides communication between a local RS485 network and a remote network of RS485 connected devices.



Receivers



Point View Receiver

- 418MHz/433MHz receiver
- RS 232 output
- ASCII format data
- 450 feet range



Point Host Receiver

- 418MHz/433MHz receiver
- RS 232 output
- ASCII format data
- 600 feet range



Mesh Repeater

- 418MHz/433MHz to 900MHz/2.4GHz repeating
- 900MHz to 900MHz SS FH mesh network repeating
- Serial outputs
- Self configuring
- 2000 feet indoor range per Repeater



Point Manager

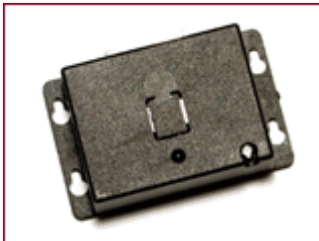
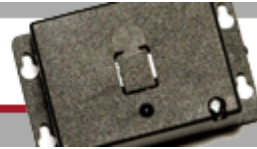
- 900MHz/2.4GHz SS FH transceiver
- TCP/IP output
- Optional browser based traffic reports
- OPC/DDE drivers
- XML compliant
- Data archiving
- 2000 feet indoor range



Point Server

- 900MHz/2.4GHz SS FH transceiver
- TCP/IP output
- Modem output
- Optional browser based traffic reports
- OPC/DDE drivers
- XML compliant
- Data archiving
- 2000 feet indoor range

IR Proximity Counters



Proximity Counter

- IR Beam Proximity Counter
- No reflector required
- Range up to 7 feet/2.3 meters
- Battery powered - up to 2 year operation
- Integrated 418MHz/433MHz transmitter
- High Impact ABS Enclosure (1.3" x 2.1" x .6")

Pulse Counters



Wireless IRISYS Camera Interface

- Wireless Interface to IRISYS Thermal Imaging Camera
- Displays Total Counts for "In" & "Out" Traffic
- 900 MHz or 2.4 GHz SS Frequency Hopping Transceiver
- Range Indoors: 600' to 1200' / 200m to 600m
- Range Outdoors: 7mi. with dipole, > 10 mi. w/high gain antenna
- High Impact ABS enclosure



Point Sensor P2P-IC

- Connect up to 64 Cameras to one Transceiver
- Converts Irisys Pulse Outputs to Point Six Radio Packets
- RS485, 19200-Baud transmitters with Unique ID
- LED indication of Packet transmission
- RJ45 jack for easy connection to IRISYS camera
- 2.5" X 2" X 1" ABS enclosures



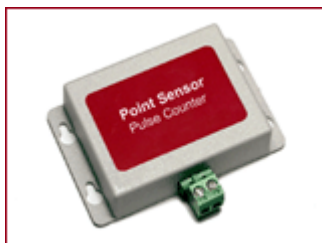
Point Sensor P2P DP

- Connect up to 64 pulse generator devices to one Transceiver
- Learns Unique ID of target counter packet
- RS485, 19200-Baud transmitters with Unique ID
- LED indication of Packet transmission
- RJ45 jack for easy connection to pulse source
- 2.5" X 2" X 1" ABS enclosures.



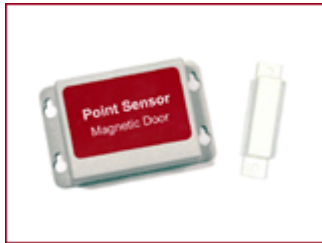
Pulse Counter - single channel input

- Interface to existing sensors
- Contact closure input
- Battery powered . up to 6 year operation
- Integrated 418MHz/433MHz transmitter
- High Impact ABS enclosure (1.3" x 2.1" x .6")



Door Counter - EX

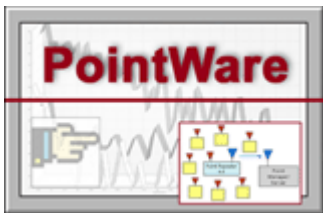
- Interfaces to external door switch
- Counts number of openings/closings
- Counts "time open" and "time closed"
- Battery powered - up to 6 year operation
- Integrated 418MHz/433MHz transmitter
- High Impact ABS enclosure (1.3" x 2.1" x .6")



Door Counter - IN

- Magnetic door switch
- Counts number of openings/closings
- Counts "time open" and "time closed"
- Battery powered - up to 6 year operation
- Integrated 418MHz/433MHz transmitter
- High Impact ABS enclosure (1.3" x 2.1" x .6")

Point Six Software



PointWare

PointWare is a program used to maintain Point Servers and Point Managers.



Point View



OneSix™ DDE Server

OneSix™ is a data acquisition Dynamic Data Exchange (DDE) server and data logger that acquires data from devices attached to a wireless 418/900 Mhz network and passes this data using DDE to a client application or logs to an ASCII file.



OneSix™ OPC Server

OneSix™ is a data acquisition OLE for Process and Control server and data logger that acquires data from devices attached to a wireless 418/900 Mhz network and passes this data using OPC to a client application or logs to an ASCII file.