



418 MHz Receiver with 900 MHz Mesh Network Repeater

FEATURES

- 418 MHz Receiver with 900 MHz spread spectrum transceiver Mesh Repeater
- As many as 26 layers of Mesh Network repeating
- Automatic randomization and collision avoidance
- Low profile, high gain, 418 MHz antenna
- 418 MHz Receiver range up to 600 feet
- Built in 100 milliwatt 900 MHz frequency hopping radio for long-range wireless interface
- Low power, 6-24 VDC at 200 milliamp transmitting, 80 milliamp receiving
- Range Indoor when used with other Point Six receivers: 600' to 1300'
- Transceiver Range Outdoor (with dipole): 7mi. (LOS)
- Transceiver Range Outdoor (with high gain antenna): >20mi
- Supports all Point Sensors (Temperature, Humidity, Analog, Pressure, Infrared, Motion, Vibration, Discrete I/O, and Light level) transmitters
- Reverse Polarity SMA connection with external antenna
- 3.3 X 3.3 X 1.4 inch ABS enclosure with flange mounts

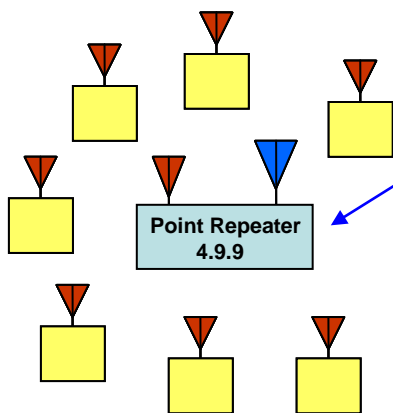


DESCRIPTION

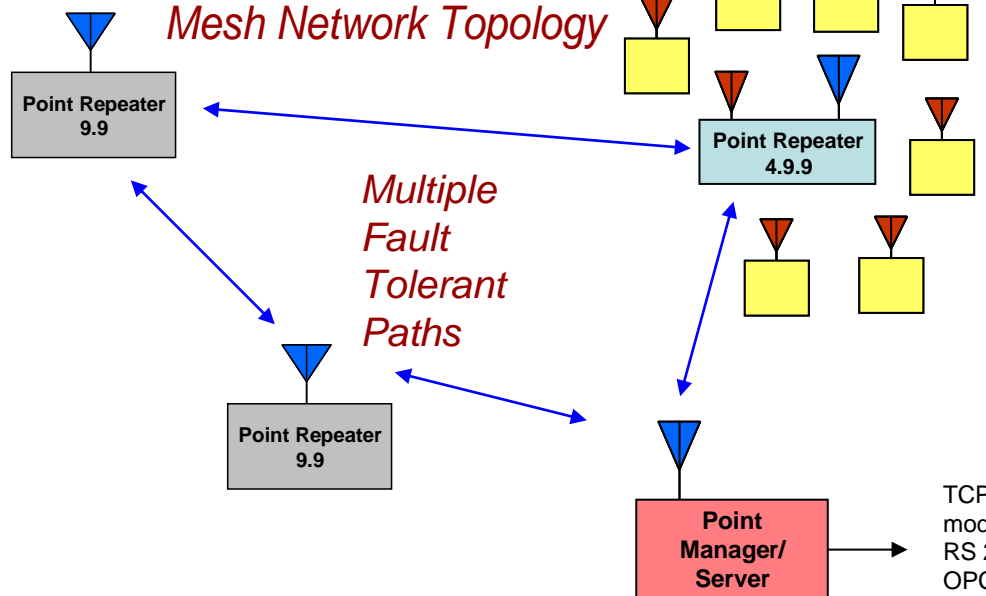
The Point Repeater 4.9.9 is a 418 MHz RF receiver with an integrated 900 MHz transmitter. It receives CRC-16 error-checked data packets from Point Six Wireless 418 MHz and 900MHz radio devices, processes the data, and then transmits the data to Point Six 900 MHz devices. Multiple repeaters can coexist and can communicate with 900 MHz Point servers, Point Managers, Point Repeater 9.9 mesh repeaters, and other Point Repeater 4.9.9 mesh repeaters. The Point Repeater 4.9.9 can be configured via the 900 MHz radio interface for network specific operation.

The Point Repeater 4.9.9 provides a means of extending the range of 418 MHz battery powered sensors, 900 MHz. sensors and controls into a mesh network of 900 MHz Point Repeater 4.9.9 repeaters, Point Repeater 9.9, and Ethernet connected servers and managers. As many as 26 layers of Point Repeater 4.9.9/9.9 repeaters can coexist.

Star Network Topology



Mesh Network Topology



Multiple Fault Tolerant Paths