



FREQUENTLY ASKED QUESTIONS

How do you know the signal will get through?

Each time a transmission is sent, an acknowledgment must be returned by the receiver. The transmitter will execute multiple retries on different frequencies to ensure the data gets through.

Is there any way to know if transmissions are missed?

Yes. Each transmission is logged and regular "health" transmissions must arrive when they are expected.

Is this WIFI or something different?

This is not WIFI. Communication is based on the industrial sensor network protocol defined by the 802.15.4 standard. Unlike WIFI, it was designed to transfer small amounts of data reliably with low latency.

Is it a problem when signals bounce off the metal structures?

This is commonly referred to as multi-path interference, but because of the design of the radios, it actually can be used to bounce signals to the receiver. Spatial diversity at the receiver enhances this ability.

Do AC Drives and 2-way radios interfere?

No. The transmitters operate at a high frequency using spread spectrum technology. A relatively high RF noise level can be tolerated.

Am I locked into this radio system?

No. The radios are installed as plug in modules in each transmitter node. The nodes can be programmed to work with other radios or new technologies.



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