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FCC ID: OU4-XRT750
IC Number: 4576A-XRT750

In response to your comments regarding the application for certification of the devices referenced above please find our response below:

1. Information regarding the tethering process.

The repeater learns which sensors are in the system by monitoring the sensor registration process or by monitoring successful friendly exchanges between base and sensor. If the repeater is introduced to a system where a sensor is already out of range of the base, then that sensor will need to be moved into range for the repeater to accept it. The users manual has omitted this information in error.

2. How are acknowledge packet handled?

The repeater forwards the acknowledge packet back to the remote sensor. The acknowledge packet is delayed by the watchdog timer circuit so that the 10 second silent period is observed.

3. How many remote sensors can a repeater service?

Four.

4. How does the repeater handle closely spaced multiple messages?

The watchdog timer forces a 10 second space between forwarded message transmissions.

5. What is the decision process for transmitting?

If a sensor which is already considered part of the system (see 1 above) is not acknowledged by the base, then the repeater will forward the message by making its own

message to the base. One of the header bits is flipped to tag the message as a repeated message.