



E-Control Systems, Inc.

IntelliMesh™ Mesh Router/Repeater

Mesh-11ZB

Product Description

E-Control Systems' IntelliSense™ Mesh Router, also called IntelliMesh™ is a wireless repeater used to extend the distance of an IntelliSense™ wireless sensor network. Its sole function in a normal wireless system is to relay wireless data between IntelliSensors™ (Sensors) and IntelliGates™ (Gateways). If no available gateway exists, the mesh router is smart enough to relay its data to another mesh router that is closer to an available gateway. As a result, IntelliMesh™ increases the distance, redundancy, and scalability of the wireless sensor network.

The IntelliMesh™ Router is a cost effective, wireless monitoring system using the ZigBee® standard. Combining the key components of the IntelliSense™ network (IntelliSensor™, IntelliGate™, IntelliMesh™, and FusionLive™) allows easy creation of a centrally managed monitoring application.

IntelliMesh™ Features

- Receives and routes/relays messages in an IntelliSense™ network
- Extends the range and reliability of an IntelliSense™ network
- Strongest wireless transmitter on the market
- Supports ZigBee® wireless standard
- Battery backup
- Completely integrated solution with IntelliGate™, IntelliSensor™, and FusionLive™ Software
- No hardware configuration needed (IntelliMesh™ automatically join network)
- Firmware can be updated wirelessly (over-the-air)
- Conformal coated board for moisture rich operating environment

IntelliMesh™ Specifications

- Operating temperature of -40 °C to 85 °C
- Operating humidity of 0 to 100 %, non-condensing

