

## MeshSentry II Radio Network – PoE Power Supply / Charger

### Features

- Complete Supervised Power Supply and Charger for Outdoor Mesh Radio Transceivers.
- Mesh radio Includes enabled Dual Transceivers and MIMO
- 8 EOL Zone Inputs for Local Connection (3 zones reserved for AC, DC and Tamper)
- 72 Hours of Battery Backup. Recharge in 48 hours
- Operates from 120/240 Volts AC (jumper selectable), 50-60 Hz
- Fully Supervised Operation when used with Digitize System 3505 Prism Lx™ at the Head End.
- Enclosure houses two series 75 Amp Hour 12 VDC Batteries
- Expandable to 3,168 remote inputs and or relay outputs
- Ethernet Connections expandable with Internal Switch/Router
- Internal Visual and Audible indicators (user selectable)
- Wall Mount Lockable Steel enclosure with Door Tamper signal
- Fused Outputs
- Surge Protected Power and Ethernet Connections
- Class 2 Power Limited
- Short Circuit, Over Current, & Over Temperature Protection
- Form C Relay Output
- UL 864 Compliant



MeshSentry II™ Radio Network – PoE Power Supply / Charger MeshSentry™ and Battery Enclosure



MeshSentry II™ Network Antennas (Sold Separately)

### Product Description

The Digitize MeshSentry II™ Mesh Radio Network - Supervised PoE Power Supply / Battery Charger and Mesh Radio is a complete power solution for Mesh Radio Transceivers. The Fire Listed Power Supply will power the Mesh Radio Transceiver and provide 72 hours of battery backup during a power failure. All aspects of the Power Supply are remotely supervisable including: AC Power Fail, Low or missing battery, and enclosure tamper.

The Power Supply is housed in a lockable steel enclosure that can hold two 75 Amp Hour 12 volt batteries.

The Digitize VersAlarm™ Controller monitors the power supply, 8 zone inputs, and optional Q-Mux Node controller(s) via Ethernet through the Mesh Radio Transceiver. Expandable to 32 Optional Q-Mux Nodes allows for up to 3,168 additional remote input and or relay outputs.

Lockable Indoor Enclosure measures approximately 22" Wide x 12" Deep x 20" High.

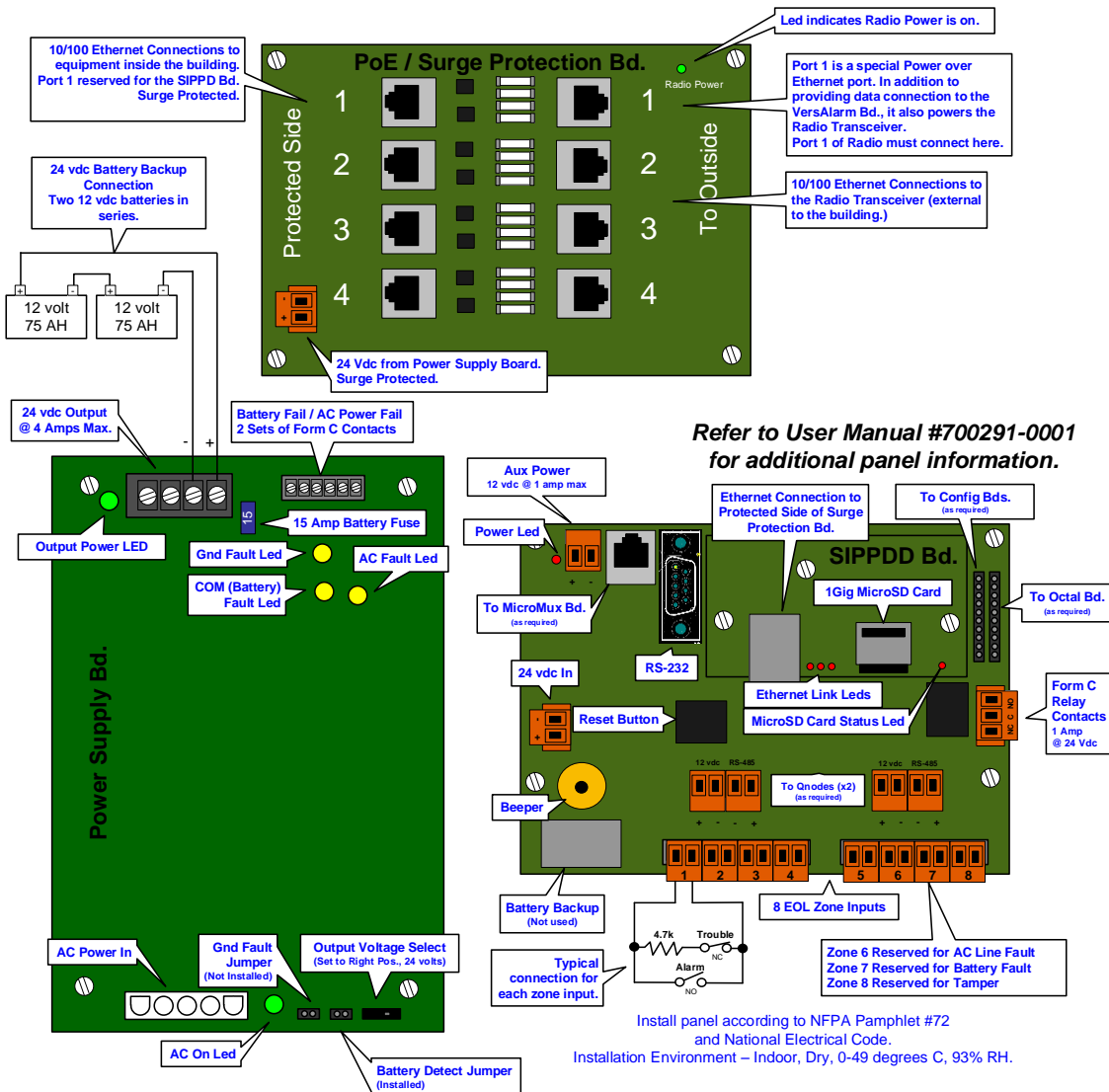
# MeshSentry II Radio Network – PoE Power Supply / Charger

- Input Voltage:** Operates from 120 or 240 Volts AC, 50-60 Hz at 2 Amps Max
- Output Voltage:** 24 VDC at 4 Amp Max for operation of Mesh radio and VersAlarm Bd.  
24 VDC at 2 Amp Max for battery charging.
- Communication:** Ethernet connection to the Mesh Radio.
- Audible Indicators:** Indicates loss of communication to Head End Equipment.
- Outputs:** Optional Q- Mux Node – 1 Form C Relay Output on Board Rated 30 Volts DC at 2 Amps Max. Will accommodate two within enclosure, 30 external.
- Inputs:** 8 Supervised EOL Zones (3 used for AC Fail, Low Battery, And Tamper. Q- Optional Q- Mux Node - additional 99 remote inputs and or outputs.
- Enclosure:** Steel Wall Mounted Red Indoor Enclosure, Hinged Door, Key Lockable  
Dimensions: 22" Wide x 12" Deep x 20" High.  
Mount indoors in a Dry Environment.
- Fault conditions:** Low or missing AC, High or low output / battery, Blown fuse, Missing battery, Reversed Battery, Internal Power Supply failure, Door Tamper, Loss of Data Comm. sent to Head End via Digitize ALAN Protocol.
- Temperature Ratings:** Operating Temperature: 0 degrees C to 49 degrees C  
Ambient Humidity: 93% @ 32 degrees C  
Environment: Indoor, dry
- Battery Charger Specifications:** Battery Type: Sealed lead acid rechargeable  
Charging Voltage: 24 VDC  
Maximum battery charge capacity: 80 Ah in 48 hours  
Maximum battery charge current: 2 A  
Requires Two, 12 VDC 75 AH Batteries which are not included and must be ordered separately.



**Digitize MeshSentry II Radio Network – PoE Power Supply / Charger**  
Shown with Door Open and Batteries Installed

## PoE Power Supply / Charger Door Label



**Optional MMX Addressable FACP interface**



**Optional SNP-3 accommodates Up to three SNP EOL or RLY IDMs**



**Optional TCU-8 Controller**  
Can expand to 99 Remote Inputs and or Outputs IDMs