

**200-PEU**

**UL Installation Guide**

UL File: E516376

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This guide contains required notifications and installation instructions for the 200-PEU, a UL Listed (E516376) product from Intuicom, Inc. 4900 Nautilus Ct. N Suite 100, Boulder, CO 80301, 303-449-4330. Technical assistance may be obtained directly from Intuicom, Inc. This guide is limited specifically to UL installation; any and all other information including standard installation practices regarding the 200-PEU should be found in the 200-PEU User Manual.

- The 200-PEU is a wireless data transceiver with Ethernet and serial interfaces intended for connection to remote data devices requiring telemetry.
- The 200-PEU is suitable for use in Class I, Division 2, Groups A, B, C, and D or non-hazardous locations only.
- For UL C1D2, the 200-PEU is suitable for ambient temperatures of -40°C to +70°C and has a temperature code of T4A.
- The 200-PEU has an electrical rating of 10-36VDC, 8W max.
- **WARNING: EXPLOSION HAZARD** – Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.
- This is an open type device and requires installation inside a suitable enclosure which is only accessible by use of a tool.
- The 200-PEU has two 10/100 Ethernet interfaces with RJ45 jacks securable with locking tabs on RJ45 plugs as well as two RS-232 serial interfaces with DB9 female jacks securable with jack screws. The 200-PEU has a single Phoenix DC power connector securable with two screws with polarity shown on the panel above the DC power jack.
- The 200-PEU is approved with installation of the following antennas and lightning arrestors and in accordance with the 200-PEU Installation Diagram v1.1 (Figure 1):

Type	Manufacturer	Part Number
Antenna – Yagi	Larson	YA5900W
Antenna – Yagi	Larson	YA6900W
Antenna – Omni	PCTel	MFB9155(NF)
Arrestor – Bulkhead	Polyphasor	IS-B50HN-C2
Arrestor – Inline	CITEL	P8AX09-N/FF

- Antennas may be installed with a maximum cable length of 75 ft.
- Lightning arrestors can be installed with maximum jumper cable length of 3 ft.

- Where the  symbol appears on the product, consult this installation guide in order to find out the nature of the potential hazards and any actions which have to be taken to avoid said hazards.
- The 200-PEU is designed to operate with a temperature range of -40°C to +75°C with 0-95% humidity, non-condensing.
- For DIN rail mounting in a suitable enclosure, use Intuicom DIN rail mounting bracket Intuicom P/N: DINMNT-02. Attach the DIN rail mounting bracket to the bottom of the 200-PEU using the three provided #6-32 screws so that the DIN clamp of the bracket wraps around the back of the enclosure.



- Connect to DC power only using the provided Phoenix 178631 terminal block connector. Polarity is clearly labeled on the front panel above the connector socket.
- If the 200-PEU is used in a manner not specified by the manufacturer (Intuicom), the protection provided by the equipment may be impaired.

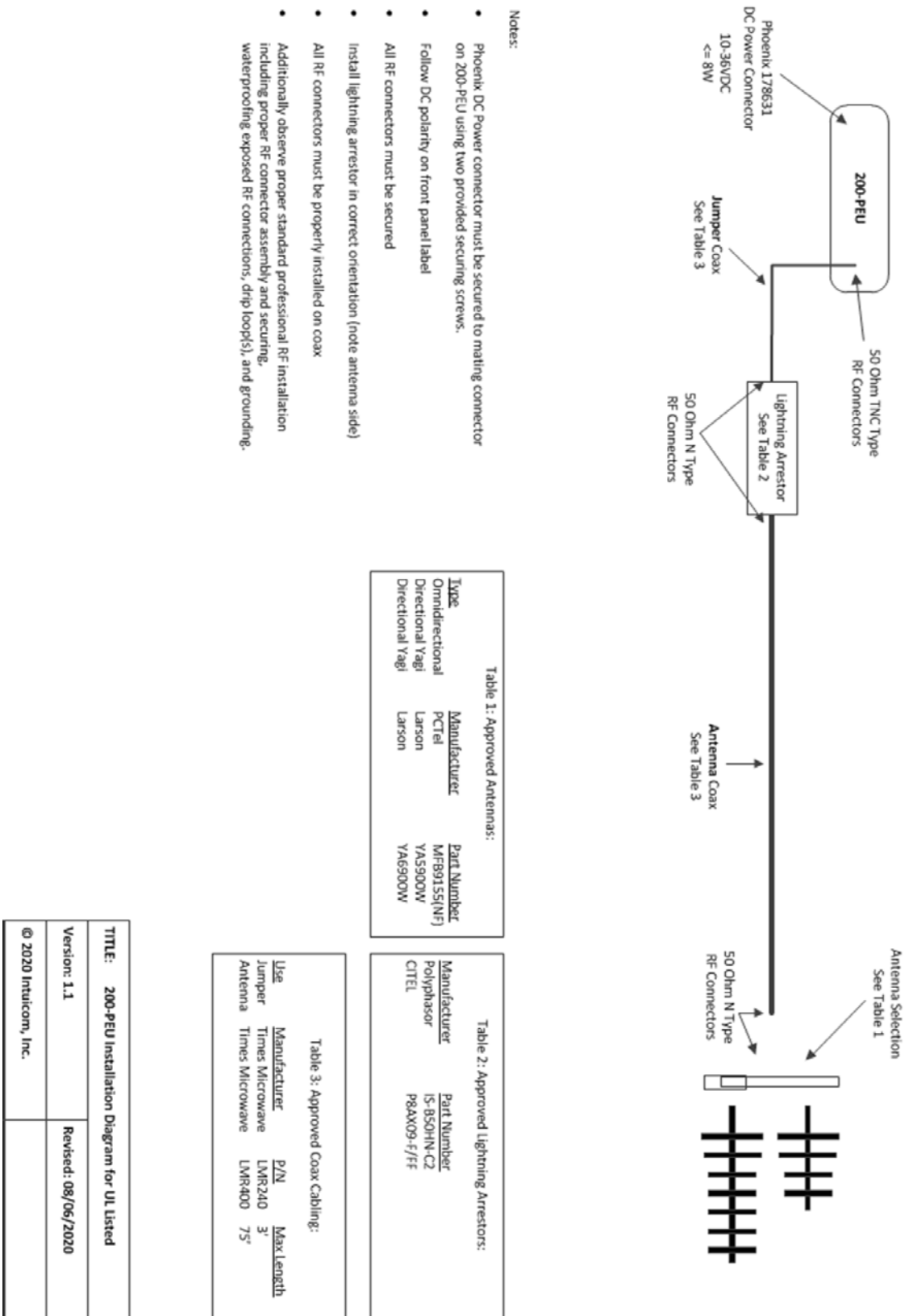


Figure 1: Installation Diagram