

## Engineering Data

### Isolated Power Panel: Installation Checkout Procedure

#### Final System Testing

The Factory Field Service Technician will perform commissioning tests prior to Contractor turning equipment over to the Owner.

Testing shall include a complete inspection of all connections and materials used. The contractor shall be prepared to demonstrate that proper polarity was observed and the installation practices were in accordance with NEC Article 517 Section 160, approved drawings, and project specifications. The factory technician shall verify and record system leakage currents, and simulate line-to-ground faults on the isolated power system to verify that Line Isolation Monitor is operating properly.

The factory technician shall instruct the hospital maintenance and medical staff on the proper use, maintenance, and basic testing of the isolated power system. A demonstration of all system features will be presented and options for annual testing and PM services will be explained.

A test report including test data, certification, instruction manual, and as-built drawings will be submitted to Customer.

#### Codes and Standards

The isolation power system shall be designed and installed with the latest edition of the following codes and standards:

- NFPA 99 "Health Care Facilities"
- NFPA 70 "National Electrical Code"
- UL Standard 1047 "Isolated Power System Distribution Equipment"
- UL Standard 1022 "Line Isolation Monitors"

#### **DANGER** **HAZARD OF ELECTRIC SHOCK**

Only qualified personnel should install, operate, service, or maintain this equipment.



Dangerous voltages are present during panel start-up.

Utilize all necessary safety procedures and guidelines. Failure to follow these procedures can result in serious injury or death.

Prior to energizing panel, verify that no loose connections, stray tools, or foreign material is present inside panel.