The 100 AMP SMART EMS™ Model 1300 is a centralized power switching, fusing and distribution center. Power from the 120/240 volt power source is fed into the box. The potential of lethal electrical shock is present in this box. Inadvertent shorts at this box could result in damage and/or injury. All servicing of this box should be done only by a qualified Service Technician. Please reference 53-00997-000 service manual for additional information.

Diagnostic tools required: Low current Test Light, Accurate Voltmeter (digital readout preferred) Clamp-on AC ammeter.
100 AMP Smart Energy Management System™ Model 1300

INSTALLATION & SERVICE MANUAL

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, INSTALL IN A CONTROLLED ENVIRONMENT, RELATIVELY FREE OF CONTAMINANTS.

Short circuit rating of this Energy Management Equipment Enclosure is 10,000 RMS symmetrical amperes, 120 V ac, but the rating is limited to the lowest interrupt capacity at the supply voltage of any breaker installed. The replacement circuit breakers must be of the same type & interrupt rating. See installation instruction 53-00997-300. The field wiring must be rated at 75°C Min. Use Copper Conductors only.

The following breakers are suitable for MAIN and Branch breakers:
- Eaton Cutler-Hammer: BR, BD, GFCB, Filler Plate BRFP
- Siemens-DPD: QP, QT, Filler Plate QF3

Air Conditioners - Thermostat Leads
- LOAD 1.0A, 24VDC
- 12 VOLT SIDE
- ISOLATED NEUTRAL

Current Sensors
- Line 1 must pass through Current Sensor 1
- Line 2 must pass through Current Sensor 2

J1 - Remote Display Connector
J2 - 9-Pin MNL Connector
J3 - Hi-Pot Test
J4 - 12 Volt Side
J5 - Remote Display Connector
J6 - 9-Pin MNL Connector
J7 - Hi-Pot Test
J8 - 12 Volt Side
J9 - Options Connector
J10 - RS-485 Connector

Intellitec Products, LLC.
131 Eisenhower Lane North
Lombard, IL 60148
630.268.0010 / 1.800.251.2408

www.intellitec.com