EMERGENCY POWER SYSTEM SPECIALISTS

EMERGENCY SYSTEMS SERVICE COMPANY

www.emergencysystems-inc.com

Installation/ Start-Up Service Info/ Checklist –
Indoor Open Power Unit

Date: _____

Work Order # _____

***Respond to**: Service Department (Fax) 215 536-7413, (Voice) 215 536-4973 X 13*

Installing Contractor: _____

Contact (On Site) _____ Cell/ Phone _____

Job Name/ Location: _____

Address _____

City _____ State _____ Zip _____

☐ Directions to Jobsite to follow if necessary.

***** THIS FORM IS REQUIRED AND TWO WEEK NOTICE NEEDED TO PROCESS START-UP REQUEST AND SCHEDULE START-UP SERVICE. PLEASE FAX FORM TO 215 536-7413 AND CALL SERVICE DEPT TO CONFIRM RECEIPT! *****

Please Refer to the Installation Guide Provided in the Owner's Manual of the Generator Set Shipped With the Unit. The Guide is also Available on our Website in PDF format

Contractor Responsibility including but <u>not</u> limited to: (Please check each item and initial)

MECHANICAL

- ☐ Clearance around generator set for airflow requirements and servicing (3 feet on all sides) _____
- ☐ Unit in place on concrete pad with vibration pads/ isolators with anchor studs/ bolts to prevent movement _____
- ☐ Exhaust properly sized to be within maximum allowable engine backpressure specs (pipe sizing no smaller than muffler outlet NPT, and may need to be increased with length of pipe run) _____
- ☐ Exhaust system completed (flexible connection, muffler and piping) _____
- ☐ Air intake and exhaust louvers/ ducts correctly sized for required CFM and wired for operation (*vAC wiring where applicable*) _____

DIESEL FUEL SYSTEM

- ☐ Fuel Inlet and Return Lines piped between the unit and daytank/ or external fuel storage tank _____
- ☐ Piping complete between daytank and main fuel tank (*where applicable*) _____
- ☐ Tank fill/ vent and emergency vent piping (*where applicable*) complete _____
- ☐ Fuel tank full or sufficient amount of fuel to run unit (<u>minimum</u> ½ tank capacity) _____

GASEOUS FUEL SYSTEM

- ☐ (*Check as applicable*) Properly sized natural gas _____, or propane _____ fuel line connected to generator set to deliver full-load CFH as specified on unit nameplate _____
- ☐ Correct gas pressure at generator set as specified on unit nameplate _____
- ☐ Flexible fuel connection (*if shipped loose*) installed after the fuel solenoid (*if shipped loose*) _____

REMOTE RADIATOR (*where applicable*)

- ☐ Properly sized piping between remote radiator and generator set engine/ heat exchanger _____
- ☐ Remote radiator elevation above generator set within maximum head pressure requirements _____
- ☐ Cooling system filled with 50% antifreeze/ 50% water mixture or appropriate coolant _____
- ☐ Properly sized/ protected wiring and correct voltage for remote radiator fan motor starter/ water pump and wired to load side of ATS _____

Do Not Connect Batteries!

ELECTRICAL

- ☐ Generator Set and ATS properly grounded per NEC Article 250 _____
- ☐ Properly sized generator set output wiring between the main line breaker and the ATS (s)(vAC) _____
- ☐ Normal power available at ATS _____
- ☐ Properly sized and correct number of stranded remote start and control wiring between generator set control and ATS (**vDC**)_____ [*Qty two (2) for auto start signal* + _____] **See Note Below!**
- ☐ Correct wiring (or type of cable – Belden Blue Hose) and correct number of wires between generator set, ATS and *optional* remote annunciator (*if applicable*) (v**DC**). Please request information from sales/ service dept if needed _____

NOTE!

****To minimize electrical noise being introduced into the engine controller, all Katolight microprocessor and solid state control panels REQUIRE generator set control and remote annunciator wiring be installed in a separate conduit with no vAC present! vAC present may cause induced voltages and erratic operation. Please insure this is completed! ****

- ☐ Properly sized/ protected wiring and correct voltage for engine preheater (wired to terminal strip in generator set output box) DO NOT ENERGIZE! _____
- ☐ Properly sized/ protected wiring and correct voltage for unit mounted battery charger (wired to terminal strip in generator set output box) DO NOT ENERGIZE! _____
- ☐ Properly sized/ protected wiring and correct voltage to daytank/ sub base (*where applicable*) DO NOT ENERGIZE _____
- ☐ Properly sized and correct number of stranded control wires between radiator duct mounted load bank and ATS (*if applicable*) _____

NOTE: Preferred installation would have these vAC circuits in stranded wire in a conduit separate from the generator set vAC output conduit(s), vDC control circuit conduit, or remote annunciator conduit.

- ☐ Properly sized and correct number of stranded control wiring between generator set control and daytank (**vDC**) (*where applicable*) _____

- ☐ Complete system test requires ATS transfer and sufficient building load available _____

- ☐ Coordination required to witness start-up or load bank test - YES _____ NO _____ _____

** If you have any questions on the above requirements, please contact our office for installation/ technical support at:

(215) 536-4973 (Mon-Fri 8:00AM to 4:30 PM)

NOTE: Only one (1) no charge visit is authorized for start-up service. Requirements for a non-warranty return visit for incomplete items are subject to invoice.

Company _____

Signature _____ Printed Name _____

Date _____

2006-12-29