



Owner's Manual
For
Automatic Transfer Switch

600 - 800 Amp, 600 Volts

Model Numbers

RTSC600A3

RTSC800A3

MODEL NUMBER: _____

SERIAL NUMBER: _____

DATE PURCHASED: _____

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SAVE THIS MANUAL FOR FUTURE REFERENCE

⚠ WARNING

California Proposition 65. This product contains or emits chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm. (000005)

Table of Contents

Section 1 Safety

1.1 General	1
1.2 General Hazards	1

Section 2 General Information

2.1 Introduction	3
2.2 Unpacking	3
2.3 Equipment Description	3
2.3.1 Transfer Switch Mechanism	3
2.4 Transfer Switch Data Decal	3
2.5 Transfer Switch Enclosure	4
2.6 Safe Use of Transfer Switch	4
2.7 Load Management Options	4
2.7.1 Smart A/C Module	4
2.7.2 Smart Management Module (Optional)	4
2.7.3 Load Management Analysis	5

Section 3 Installation

3.1 Introduction to Installation	7
3.2 Mounting	7
3.3 Connecting Power Source and Load Lines	7
3.4 Connecting Start Circuit Wires	7
3.5 Connecting Smart A/C Module	8
3.5.1 Control of Air Conditioner Load	8
3.6 Auxiliary Contacts	8

Section 4 Operation

4.1 Functional Tests and Adjustments	11
4.2 Manual Operation	11
4.2.1 Trip to Neutral Position	11
4.2.2 Close to Emergency Source Side	11
4.2.3 Close to Normal Source Side	11
4.3 Voltage Checks	12
4.3.1 Utility Voltage Checks	12
4.3.2 Generator Voltage Checks	12
4.4 Generator Tests Under Load	13
4.5 Checking Automatic Operation	13
4.6 Installation Summary	13
4.7 Shutting Generator Down While Under Load	13
4.8 Testing The Smart A/C Module	14
4.9 Testing The Smart Management Module	14

Section 5 Drawings and Diagrams

5.1 Installation Drawing	15
5.1.1 No. 0L3238-A (Part 1 of 2)	15
5.1.2 No. 0L3238-A (Part 2 of 2)	16
5.2 Interconnection Drawing	17
5.2.1 No. 0L3237-A	17

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Section 1 Safety

1.1 — General

Read the following information carefully before attempting to install, operate or service this equipment. Also read the instructions and information on tags, decals, and labels that may be affixed to the transfer switch. Replace any decal or label that is no longer legible.



⚠ WARNING

Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury. (000100a)

The manufacturer cannot anticipate every possible circumstance that might involve a hazard. The warnings in this manual, and on tags and decals affixed to the unit are not all-inclusive. If using a procedure, work method or operating technique the manufacturer does not specifically recommend, ensure that it is safe. Also make sure the procedure, work method or operating technique used does not render the transfer switch unsafe.

Throughout this publication, and on tags and decals affixed to the generator, **DANGER**, **WARNING**, **CAUTION** and **NOTE** blocks are used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Their definitions are as follows:

⚠ DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

(000001)

⚠ WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

(000002)

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

(000003)

NOTE:

Notes contain additional information important to a procedure and will be found within the regular text of this manual.

These safety warnings cannot eliminate the hazards that they indicate. Common sense and strict compliance with the special instructions while performing the action or service are essential to preventing accidents.

1.2 — General Hazards

- Any AC generator that is used for backup power if a NORMAL (UTILITY) power source failure occurs, must be isolated from the NORMAL (UTILITY) power source by means of an approved transfer switch. Failure to properly isolate the NORMAL and STANDBY power sources from each other may result in injury or death to electric utility workers, due to backfeed of electrical energy.
- Improper or unauthorized installation, operation, service or repair of the equipment is extremely dangerous and may result in death, serious personal injury, or damage to equipment and/or personal property.
- Extremely high power and dangerous voltages are present inside an installed transfer switch. Any contact with high voltage terminals, contacts or wires can result in LETHAL electric shock, while arc flash can cause blindness and severe burns. **DO NOT WORK ON THE TRANSFER SWITCH UNTIL ALL POWER SUPPLIES TO THE SWITCH HAVE BEEN POSITIVELY TURNED OFF.**
- Competent, qualified personnel should install, operate and service this equipment. Adhere strictly to local, state and national electrical and building codes. When using this equipment, comply with regulations the National Electrical Code (NEC), CSA Standard; C22.1 Canadian Electric Code and Occupational Safety and Health Administration (OSHA) have established.
- Never handle any kind of electrical device while standing in water, while barefoot, or while hands or feet are wet. **DANGEROUS ELECTRICAL SHOCK MAY RESULT.**
- Because jewelry conducts electricity, wearing it may cause dangerous electrical shock. Remove all jewelry (such as rings, watches, bracelets, etc.) before working on this equipment.
- If working on this equipment while standing on metal or concrete, place insulative mats over a dry wood platform. Work on this equipment only while standing on such insulative mats.
- Never work on this equipment while physically or mentally fatigued.

- Keep the transfer switch enclosure door closed and bolted at all times. Only qualified personnel should be permitted access to the switch interior.
- In case of an accident caused by electric shock, immediately shut down the source of electrical power. If this is not possible, attempt to free the victim from the live conductor but **AVOID DIRECT CONTACT WITH THE VICTIM**. Use a nonconducting implement, such as a dry rope or board, to free the victim from the live conductor. If the victim is unconscious, apply first aid and get immediate medical help.
- When an automatic transfer switch is installed for a standby generator set, the generator engine may crank and start at any time without warning. To avoid possible injury that might be caused by such sudden start-ups, the system's automatic start circuit must be disabled before working on or around the generator or transfer switch. Then place a "DO NOT OPERATE" tag on the transfer switch and on the generator.
- Any voltage measurements should be performed with a meter that meets UL3111 safety standards, and meets or exceeds overvoltage class CAT III.

Section 2 General Information

2.1 — Introduction

Thank you for purchasing a Generac transfer switch. This manual has been prepared especially for the purpose of familiarizing personnel with the design, application, installation, operation and servicing of the applicable equipment. Read this manual carefully and comply with all instructions. This will help to prevent accidents or damage to equipment that might otherwise be caused by carelessness, incorrect application, or improper procedures.

Every effort has been expended to make sure that the contents of this manual are both accurate and current. The manufacturer, however, reserves the right to change, alter or otherwise improve the product or manual at any time without prior notice.

2.2 — Unpacking

Carefully unpack the transfer switch. Inspect closely for any damage that might have occurred during shipment. The purchaser must file with the carrier any claims for loss or damage incurred while in transit.

Check that all packing material is completely removed from the switch prior to installation.

2.3 — Equipment Description

The automatic transfer switch is used for transferring critical electrical loads from a UTILITY (NORMAL) power source to an EMERGENCY (GENERATOR) power source.

The transfer switch prevents electrical feedback between the UTILITY and EMERGENCY sources. For that reason, electrical codes require a transfer switch in all standby electric system installations.

When the transfer switch is connected to the engine generator control panel, the control panel constantly monitors the UTILITY voltage and controls the operation of the transfer switch.

Should the UTILITY voltage drop below a preset value, and remain at this low voltage for a preset amount of time, the generator cranks and starts. After the generator starts, the transfer switch transfers the load circuits to the generator, the generator then supplies the loads. When UTILITY returns above a preset level the load is transferred back to the UTILITY and the generator shuts down.

NOTE: Refer to generator documentation for preset time and voltage values.

2.3.1— Transfer Switch Mechanism

See Figure 2-1. This switch is used with a single phase system.

Solderless, screw-type terminal lugs are standard.

The conductor size range is as follows:

Switch Rating	Wire Range	Conductor Torque Specification
600A	2 x 1/0-500 MCM per pole (Cu/Al)	375 in-lbs (42.4 Nm)
800A	4 x 4/0-500 MCM per pole (Cu/Al)	375 in-lbs (42.4 Nm)

This UL listed transfer switch is for use in optional standby systems only (NEC article 702).

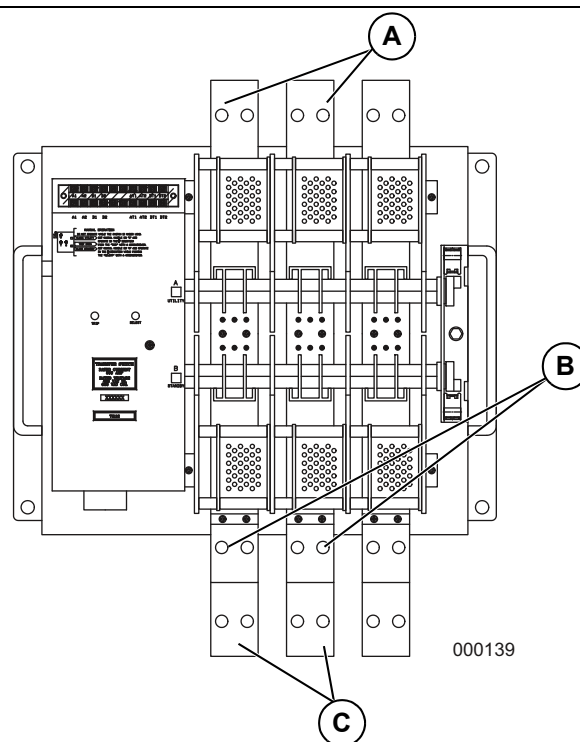


Figure 2-1. Typical 3-Pole Transfer Mechanism (800 Amp Shown)

A	Utility Lugs (N1 & N2)
B	Generator Lugs (E1 & E2)
C	Load Lugs (T1 & T2)

2.4 — Transfer Switch Data Decal

A data decal is permanently affixed to the transfer switch enclosure. Use this transfer switch only with the specific limits shown on the data decal and on other decals and labels that may be affixed to the switch. This will prevent damage to equipment and property.

When requesting information or ordering parts for this equipment, make sure to include all information from the data decal.

For future reference, record the Model and Serial numbers in the space provided on the front cover of this manual

2.5 — Transfer Switch Enclosure

The standard switch enclosure is a National Electrical Manufacturer's Association (NEMA) and UL 3R type. UL and NEMA 3R (indoor/outdoor rated) type enclosures primarily provide a degree of protection against falling rain and sleet; is undamaged by the formation of ice on the enclosure.

2.6 — Safe Use of Transfer Switch



WARNING

Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury. (000100a)

Before installing, operating or servicing this equipment, read the SAFETY RULES carefully. Comply strictly with all SAFETY RULES to prevent accidents and/or damage to the equipment. The manufacturer recommends that a copy of the SAFETY RULES be posted near the transfer switch. Also, be sure to read all instructions and information found on tags, labels and decals affixed to the equipment.

Two publications that outline the safe use of transfer switches are the following:

- NFPA 70; National Electrical Code
- UL 1008, STANDARD FOR SAFETY-AUTOMATIC TRANSFER SWITCHES

NOTE: It is essential to use the latest version of any standard to ensure correct and current information.

2.7 — Load Management Options

Load management systems are designed to work together to prevent a generator from being overloaded by large appliance loads. A Smart A/C Module is standard in these switches. An optional Smart Management Module is also available.

2.7.1— Smart A/C Module

Up to four air conditioner loads can be managed by the Smart A/C Module. The Smart A/C Module manages the loads by “shedding” the connected loads in the event of a drop in generator frequency (overload). Loads to be “shed” are in 4 priority levels on the module.

Priorities A/C 1-4 (A in Figure 2-2) have connections for an air conditioner. To control an air conditioner, no additional equipment is required. Internal normally closed relays interrupt the 24 VAC thermostat control signal to disable the air conditioner load.

Four LEDs, located on the Smart A/C Module (B in Figure 2-2), illuminate when a load is connected and powered.

The Smart A/C Module has a test button used to simulate an overload condition. This button operates even when the transfer signal is inactive.

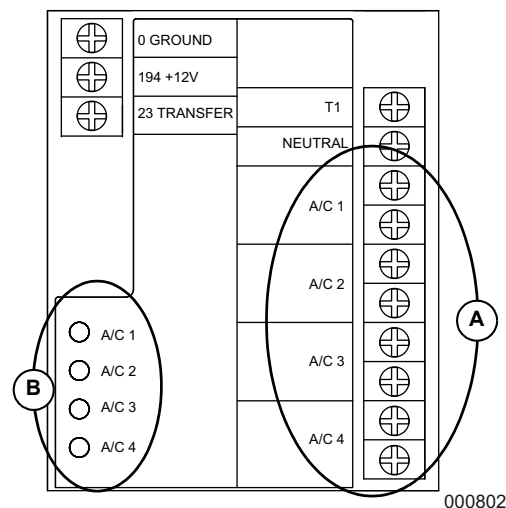


Figure 2-2. Smart A/C Module

2.7.2— Smart Management Module (Sold Separately)

Any loads, including central air conditioners, can be managed using a Smart Management Module (SMM). The system can accommodate up to eight individual SMM modules.

NOTE: The SMM modules are self-contained and have individual built-in controllers.



The Smart A/C Module can be used in conjunction with individual Smart Management Modules (SMM) to manage a combined total of eight loads.

- In any combination of modules, the recovery times after a loss of utility power or shutdown due to overload are shown in Table 1.

Priority	Recovery Time	Smart A/C Module	Smart Management Module
1	5 minutes	Yes	Yes
2	5 minutes 15 seconds	Yes	Yes
3	5 minutes 30 seconds	Yes	Yes
4	5 minutes 45 seconds	Yes	Yes
5	6 minutes	NA	Yes
6	6 minutes 15 seconds	NA	Yes
7	6 minutes 30 seconds	NA	Yes
8	6 minutes 45 seconds	NA	Yes

Refer to the SMM Owner's/Installation Manual for detailed characteristics and specifications of that product.

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Section 3 Installation

3.1 — Introduction to Installation

This equipment has been wired and tested at the factory. Installing the switch includes the following procedures:

- Mounting the enclosure.
- Connecting power source and load leads.
- Connecting the generator start and sensing circuit.
- Connecting any auxiliary contact (if needed).
- Testing functions.

3.2 — Mounting

Mounting dimensions for the transfer switch enclosure are in this manual. See the “Installation Diagram” section.

DANGER

Equipment malfunction. Installing a dirty or damaged transfer switch will cause equipment malfunction and will result in death or serious injury.

(000119)

Install the transfer switch as close as possible to the electrical loads that are to be connected to it. The switch enclosure is suitable for wall or floor mounting. For wall mounting, remove the floor stands to gain access to the mounting points on the bottom of the enclosure. Mount the switch vertically to a rigid supporting structure. For floor mounting, place switch enclosure on a hard, level surface. Secure enclosure to the floor. To prevent switch distortion, level all mounting points. If necessary, use washers behind mounting holes to level the unit.

3.3 — Connecting Power Source and Load Lines



DANGER

Electrocution. Turn utility and emergency power supplies to OFF before connecting power source and load lines. Failure to do so will result in death or serious injury.

(000116)

Installation and interconnection diagrams are provided in this manual.

NOTE: All installations must comply with national, state and local codes. It is the responsibility of the installer to perform an installation that will pass the final electrical inspection.

Power source and load connections are made at a transfer mechanism, inside the switch enclosure.

Conductor sizes must be adequate to handle the maximum current to which they will be subjected to, based on the 75°C column of tables, charts, etc. used to size conductors. The installation must comply fully with all applicable codes, standards and regulations.

All power cables can enter the enclosure through the knockouts provided. If not using the knockouts, conduit entry into the enclosure above the level of uninsulated live parts shall use fittings listed for use in wet locations to maintain the Type 3R rating. Conduits should be arranged to provide separation between the Utility and Generator supply conductors inside the enclosure.

NOTE: If aluminum conductors are used, apply corrosion inhibitor to conductors. After tightening terminal lugs, carefully wipe away any excess corrosion inhibitor.

Tighten terminal lugs to the torque values as noted on the decal located on the inside of the door. After tightening terminal lugs, carefully wipe away any excess corrosion inhibitor.

CAUTION

Equipment damage. Verify all conductors are tightened to the factory specified torque value. Failure to do so could result in damage to the switch base.

(000120)

Connect power source and load conductors to clearly marked terminal lugs on transfer mechanism as follows:

1. Connect utility (normal) power source cables to switch terminals N1, N2.
2. Connect emergency (standby) source power cables to transfer switch terminals E1, E2.
3. Connect customer LOAD leads to switch terminals T1, T2.

3.4 — Connecting Start Circuit Wires

Control system interconnections may consist of N1, N2, and T1, and leads 23 and 194. The generator control wiring is a Class 1 signaling circuit. Reference instruction manual of specific engine generator for wiring connection details. Recommended wire gauge sizes for this wiring depends on the length of the wire, as recommended in the following chart:

Maximum Wire Length	Recommended Wire Size
1-115 ft (1-35m)	No. 18 AWG.
116-185 ft (36-56m)	No. 16 AWG.
186-295 ft (57-89m)	No. 14 AWG.
296-460 ft (90-140m)	No. 12 AWG.

Exception: Conductors of AC and DC circuits, rated 1000 volts nominal, or less, shall be permitted to occupy the same equipment, cable, or conduit. All conductors shall have an insulation rating equal to at least the maximum circuit voltage applied to any conductor within the equipment, cable, or conduit. See NEC 300.3(C)(1).

3.5 — Connecting Smart A/C Module

The Smart A/C Module can control an air conditioner (24 VAC) directly. See Figure 3.1.

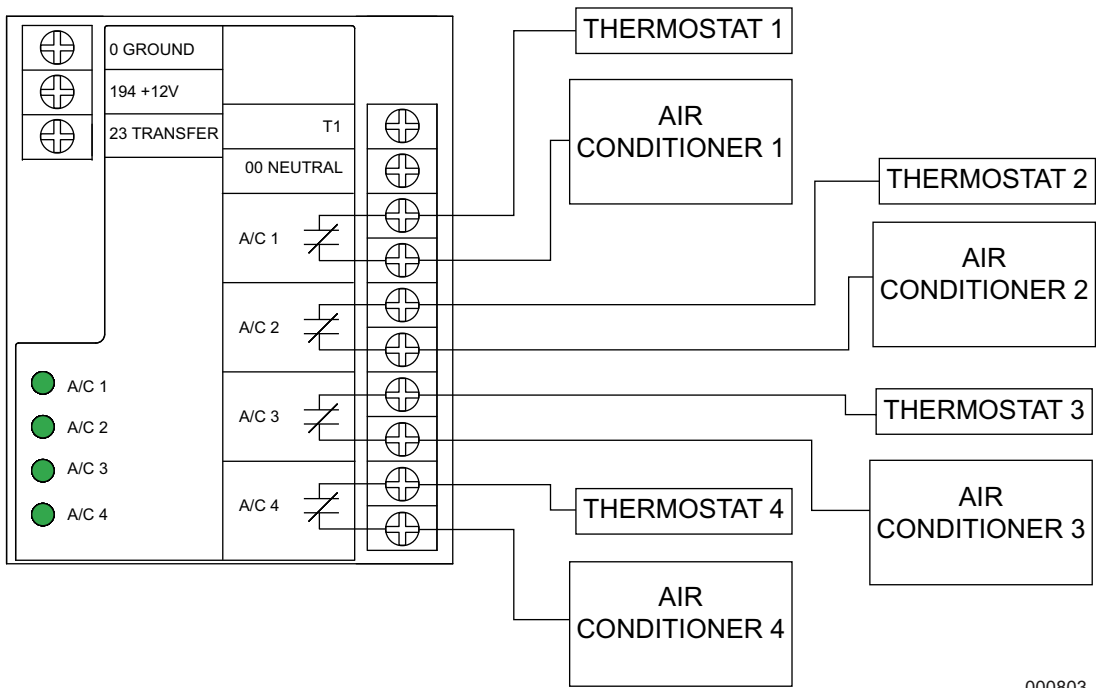
3.5.1— Control of Air Conditioner Load

- 1. Route the thermostat cable (from the furnace/thermostat to the outdoor air conditioner unit) to the transfer switch.

- 2. Connect the wire to the terminal strip terminals (A/C 1) on the Smart A/C Module as shown in Figure 3.1. These are normally closed contacts which open upon load shed conditions. Route thermostat wire away from high voltage wires.
- 3. If required, connect additional air conditioners to the terminal strip terminals (A/C 2-4).

Contact Ratings	
A/C 1-4	24 VAC, 1.0 Amp Max

NOTE: These instructions are for a typical air conditioner installation. Control of certain heat pumps and 2-stage air conditioners may require special connections or the use of Smart Management Modules (SMM) to control the loads.



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Figure 3-1. Typical Smart A/C Connections

3.6 — Auxiliary Contacts

If desired, there are Auxiliary Contacts on the transfer switch to operate customer accessories, remote advisory lights, or remote annunciator devices. A suitable power source must be connected to the common terminal (D). See Figure 3-1.

Contact operation is shown in the following chart:

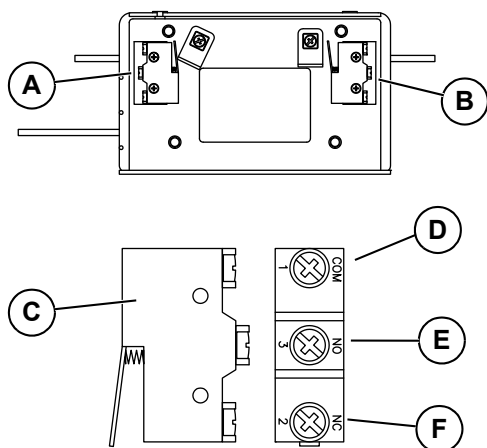
	Switch Position	
	Utility	Standby
Common to Normally Open	Open	Closed
Common to Normally Closed	Closed	Open

NOTE: Auxiliary Contacts are rated 10 amps at 125 or 250 volts AC.



Equipment damage. Exceeding rated voltage and current will result in damage to the auxiliary contacts.

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Figure 3-2. Auxiliary Contacts

A	Auxiliary Contact (Actuated)
B	Auxiliary Contact (Non-Actuated)
C	Single Contact (Utility Position)
D	Common Terminal
E	Normally Open Terminal
F	Normally Closed Terminal

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Section 4 Operation

4.1 — Functional Tests and Adjustments

Following transfer switch installation and interconnection, inspect the entire installation carefully. A competent, qualified electrician should inspect it. The installation should comply strictly with all applicable codes, standards, and regulations. When absolutely certain the installation is proper and correct, complete a functional test of the system.

CAUTION

Equipment damage. Perform functional tests in the exact order they are presented in the manual. Failure to do so could result in equipment damage.

(000121)

IMPORTANT: Before proceeding with functional tests, read and make sure all instructions and information in this section is understood. Also read the information and instructions of labels and decals affixed to the switch. Note any options or accessories that might be installed and review their operation.

4.2 — Manual Operation



DANGER

Electrocution. Do not manually transfer under load. Disconnect transfer switch from all power sources prior to manual transfer. Failure to do so will result in death or serious injury, and equipment damage.

(000132)

A manual handle is shipped with the transfer switch. See 1 in Figure 4-1. Manual operation must be checked BEFORE the transfer switch is operated electrically. To check manual operation, proceed as follows:

1. Ensure the generator is in the OFF mode.
2. Turn OFF or OPEN both UTLITY and EMERGENCY power supplies to the transfer switch, with whatever means provided (such as the main line circuit breakers).
3. Note position of transfer mechanism main contacts by observing display windows in “A” and “B” (3 and 4 respectively, in Figure 4-1) as follows:
 - Window “A” ON, Window “B” OFF - LOAD terminals (T1, T2) are connected to utility terminals (N1, N2).
 - Window “A” OFF, Window “B” ON - LOAD terminals (T1, T2) are connected to emergency terminals (E1, E2).

CAUTION

Equipment damage. Do not use excessive force while manually operating the transfer switch. Doing so could result in equipment damage.

(000122)

4.2.1— Trip to Neutral Position

Remove handle from the square lug at the upper left corner of the switch. Insert a screwdriver into the “TRIP” hole (5 in Figure 4-1) and push inward. The main contact should trip to the neutral position and the word OFF should appear in both Windows “A” and “B”.

4.2.2— Close to Emergency Source Side

Before proceeding, verify the position of the switch by observing Window “A” and Window “B”. If window “B” displays ON the ATS is closed in the STANDBY position, with the LOAD connected to the STANDBY source. It is not necessary to manually close in the STANDBY position.

If window “B” reads OFF and window “A” reads ON it will be necessary to trip the ATS to the neutral position. See the Trip to Neutral Position section.

With handle attached to the actuating shaft. Insert screwdriver into hole marked “SELECT” (6 in Figure 4-1). While pushing inward on screwdriver, move manual handle upward as indicated by arrow in illustration until it stops. DO NOT FORCE. Confirm main contacts close to STANDBY source when Window “B” is ON and Window “A” is OFF. Remove handle from switch.

4.2.3— Close to Normal Source Side

Before proceeding, verify the position of the switch by observing Window “A” and Window “B”. If Window “A” reads ON the ATS is closed in the UTILITY position, with the LOAD connected to the NORMAL source. It is not necessary to manually close in the UTILITY position.

If Window “A” reads OFF and window “B” reads ON it will be necessary to trip the ATS to the neutral position. See the Trip to Neutral Position section.

With handle attached to the actuating shaft. Move manual handle upward as indicated by arrow in illustration until it stops. DO NOT FORCE. Confirm main contacts close to UTILITY source when window “A” is ON and window “B” is OFF. Remove handle from switch.

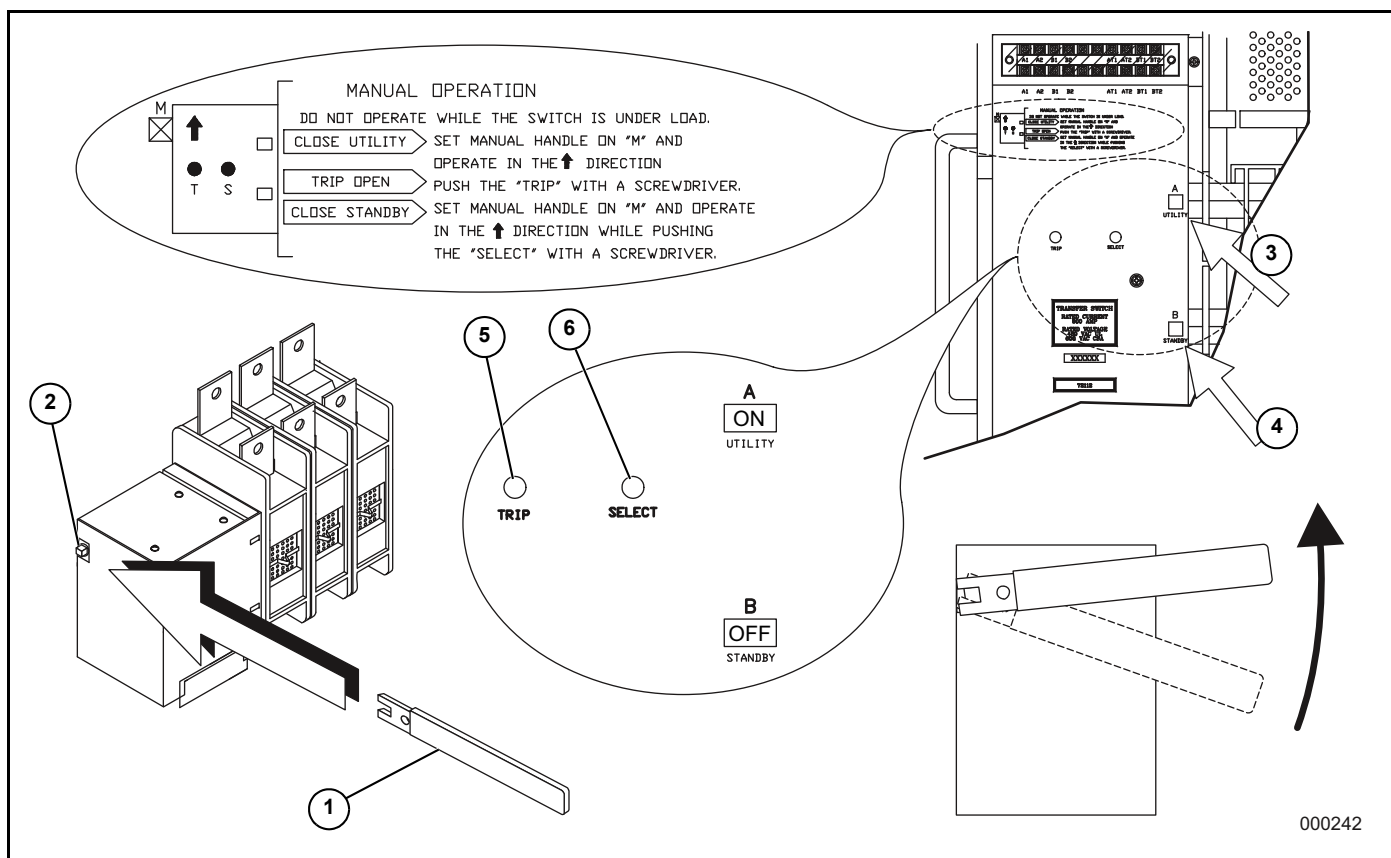


Figure 4-1. Actuating Transfer Switch

4.3 — Voltage Checks

4.3.1— Utility Voltage Checks

1. Turn ON the UTILITY power supply to the transfer switch with whatever means provided (such as the UTILITY main line circuit breaker).



⚠ DANGER

Electrocution. High voltage is present at transfer switch and terminals. Contact with live terminals will result in death or serious injury.

(000129)

2. With an accurate AC voltmeter, check for correct voltage. Measure across ATS terminal lugs N1 and N2; N1 to NEUTRAL and N2 to NEUTRAL.



⚠ DANGER

Electrocution. Turn utility supply OFF before working on utility connections of the transfer switch. Failure to do so will result in death or serious injury.

(000123)

4.3.2— Generator Voltage Checks

1. On the generator panel, select the MANUAL mode of operation. The generator should crank and start.
2. Let the generator stabilize and warm up at no-load for at least five minutes.
3. Set the generator main circuit breaker (CB1) to ON or CLOSED.



⚠ DANGER

Electrocution. High voltage is present at transfer switch and terminals. Contact with live terminals will result in death or serious injury.

(000129)

4. With an accurate AC voltmeter and frequency meter, check the no-load, voltage and frequency. Measure across ATS terminal lugs E1 to E2; E1 to NEUTRAL and E2 to NEUTRAL.

Frequency	60-62 Hz
Terminals E1 to E2	240-246 VAC
Terminals E1 to NEUTRAL	120-123 VAC
Terminals E2 to NEUTRAL	120-123 VAC

5. When certain that generator supply voltage is correct and compatible with transfer switch ratings, turn OFF the generator supply to the transfer switch.
6. Set the generator main circuit breaker (CB1) to OFF or OPEN.
7. On the generator panel, select the OFF mode to shut down the generator.

NOTE: Do NOT proceed until generator AC output voltage and frequency are correct and within stated limits. If the no-load voltage is correct but no-load frequency is incorrect, the engine governed speed may require adjustment. If no-load frequency is correct but voltage is not, the voltage regulator may require adjustment.

4.4 — Generator Tests Under Load

1. Turn OFF the utility power supply to the transfer switch with whatever means provided (such as the utility main line circuit breaker).
2. Set the generator main circuit breaker to OFF or OPEN.
3. Manually actuate the transfer switch main contacts to the emergency (Standby) position. See “Manual Operation”.
4. To start the generator, select the MANUAL mode of operation. When engine starts, let it stabilize for a few minutes.
5. Set the generator main circuit breaker to ON or CLOSED. The generator now powers all LOAD circuits. Check generator operation under load as follows:
 - Turn on electrical loads to the full rated wattage/ amperage capacity of the generator. DO NOT OVERLOAD.
 - With maximum rated load applied, check voltage and frequency across transfer switch terminals E1 and E2. Voltage should be greater than 230 volts (240 VAC system); frequency should be greater than 59 Hz.
 - Let the generator run under rated load for at least 30 minutes. With unit running, listen for unusual noises, vibration, overheating, etc., that might indicate a problem.
6. When checkout under load is complete, set main circuit breaker of the generator to the OFF or OPEN position.
7. Let the generator run at no-load for several minutes. Then, shut down by selecting the OFF mode.
8. Move the main switch contacts back to UTILITY.

NOTE: See “Manual Operation”. Handle and operating lever of transfer switch should be in down position.

9. Turn on the utility power supply to transfer switch, using whatever means provided (such as a utility main line circuit breaker). The utility power source now powers the loads.
10. The system is now set for fully automatic operation.

4.5 — Checking Automatic Operation

To check the system for proper automatic operation, proceed as follows:

1. Verify generator is in OFF mode.
2. Verify switch is de-energized.
3. Install front cover of the transfer switch.
4. Turn the utility power supply to the transfer switch ON, using the utility main line circuit breaker.
5. Set the generator main circuit breaker to ON.
6. On the generator panel, select the AUTO. The system is now ready for automatic operation.
7. Turn utility power supply to the transfer switch OFF.

With the generator ready for automatic operation, the engine should crank and start when the utility source power is turned OFF after a ten second delay (factory default setting). After starting, the transfer switch should connect load circuits to the standby side after a five (5) second delay. Let the system operate through its entire automatic sequence of operation.

4.6 — Installation Summary

1. Verify the installation has been properly performed as outlined by the manufacturer and that it meets all applicable laws and codes.
2. Verify proper operation of the system as outlined in the appropriate installation and owner’s manuals.
3. Educate the end-user on the proper operation, maintenance and service call procedures.

4.7 — Shutting Generator Down While Under Load

Important! To turn the generator off during utility outages to perform maintenance, or conserve fuel, follow these steps:

To turn the generator OFF (while running in AUTO and online):

1. Turn the main utility disconnect OFF.
2. Turn the main line circuit breaker (MLCB) on the generator to OFF (OPEN).
3. Let the generator run at no-load several minutes.
4. Turn the generator OFF.

To turn the generator back ON:

1. Put the generator back into AUTO and allow to start and warm-up for a few minutes.
2. Set the MLCB on the generator to ON.

The system will now be operating in automatic mode.
The main utility disconnect can be turned ON (CLOSED).

If Utility returns, the transfer switch will return to utility mode and the generator will cycle off after it times out.

4.8 — Testing The Smart A/C Module

A Test pushbutton is provided on the bottom of the Smart A/C Module to test the operation of the load shed functions. The Test button will work when the ATS is in the Utility or the Generator position.

1. Turn on the Utility supply to the ATS.
2. Verify managed loads are powered and all LEDs illuminate on Smart A/C Module.
3. Press the TEST button on the Smart A/C Module.
4. Verify that all of the connected loads to be “shed” become disabled.
5. After five (5) minutes verify A/C 1 is energized and Status LED A/C 1 is ON.
6. After another 15 seconds, verify A/C 2 is energized and Status LED A/C 2 is ON.
7. After another 15 seconds, verify Load A/C 3 is energized and Status LED Load A/C 3 is ON.
8. After another 15 seconds, verify A/C 4 is energized and Status LED A/C 4 is ON.

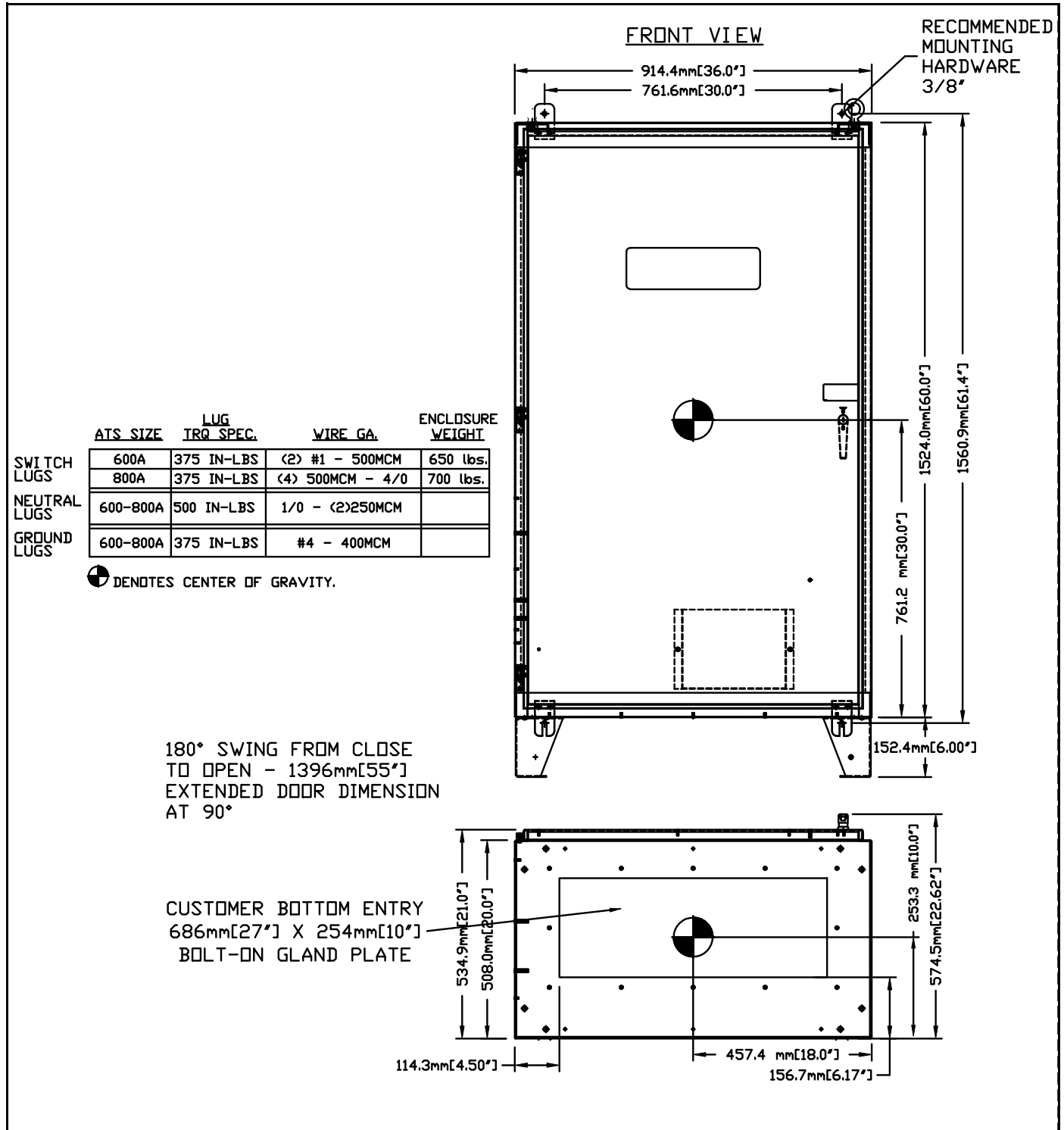
4.9 — Testing The Smart Management Module

Refer to the SMM Owner's/Installation Manual for testing that product.

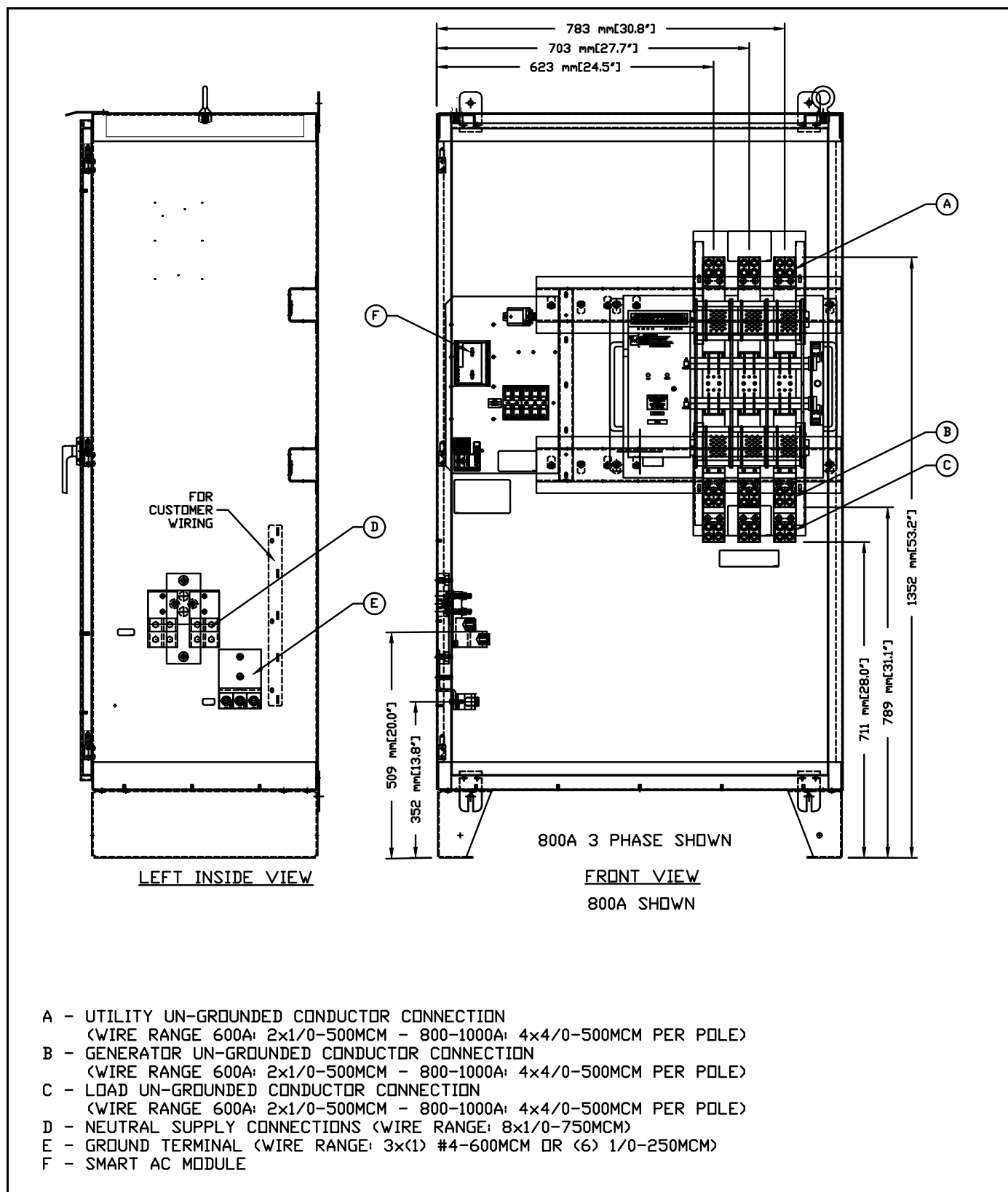
Section 5 Drawings and Diagrams

5.1 — Installation Drawing

5.1.1— No. 0L3238-A (Part 1 of 2)



5.1.2— No. 0L3238-A (Part 2 of 2)



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