LSE | LAKESHORE ELECTRIC

Automatic Transfer Switch

AMD Molded Case Dual Motor

Model: 100A-400A

TRANSFER

Lake Shore Electric's AMD Automatic Transfer Switch utilizes industry-proven molded case switches to perform safe transfers under load. The AMD Transfer Switch is UL 1008 listed and offered in ampacities ranging from 50A to 1200A, up to 600VAC, and interrupting ratings starting at 35kAIC @480VAC. Service entrance rated, as well as open and closed transition configurations are also available.

Standard Features:

- 8600 Transfer Switch Controller
- Molded Case Switches
- 100% Rated Copper Bus
- Front Accessible
- Mechanically Interlocked Sources (Open Transition)
- Open Position
- Automatic & Manual Operation Under Load
- Engine Starting Contacts
- Momentary Load Test
- NEMA 1 Enclosure with Gray Powder Coat Finish

Optional Features:

- Service Entrance Rated
- Breaker Trip Ratings
- Closed Transition Transfer
- Space Heater
- Surge Protection Device
- Mechanical Lug Sizes
- 861 Ethernet Communication Gateway
- Metering/Power Monitoring
- Remote Disconnect
- Utility to Utility Configurations

Technical Data

Standard & Optional Features

8600 Transfer Switch Controller

The 8600 Transfer Switch Controller monitors the voltage and frequency of the power on the Normal Source (Source 1) and Alternate Source (Source 2). The factory programmed monitoring set points can be adjusted on the display screen or with the Controller software on a PC to meet specific application requirements. The Controller can also be PIN protected to ensure no unauthorized changes can be made. See page 7 for more information.

Molded Case Units

The AMD utilizes two UL 489-listed molded case switches and/or breakers. Switches are constructed using circuit breaker components and are of the high instantaneous automatic type, tripping at 10X the frame rating. Breakers can be configured with either thermal magnetic or electronic trip units.

Mechanically Interlocked Sources

A walking beam-style mechanical interlock is used to prevent the unintentional paralleling of the Normal Source (Source 1) and Alternate Source (Source 2). Strategically located on the rear side of the back pan, the restricted access to the walking beam ensures a touch-free and tamper-resistant interlock.

Open Position

The AMD Transfer Switch allows both switches to be placed in the open ensuring that no current flows to the load during this state.

Automatic & Manual Operation

The AMD Transfer Switch is an electrically operated and mechanically held self-contained power switching assembly. The Transfer Switch can be operated automatically or manually by selecting the desired mode on the 8600 Controller. Motor operators and handles are located on the front of the Normal Source (Source 1) and Alternate Source (Source 2) molded case units for safe manual transfer under load.

Engine Starting Contacts

The 8600 Transfer Switch Controller provides one form “C” dry contact output that is initiated upon sensing the loss of the Normal Source.

NEMA 1 Enclosure with Gray Powder Coat Finish

All AMD Transfer Switch enclosures come standard with an environmental rating of NEMA Type 1, with a textured gray powder coat finish. See page 10 for additional NEMA ratings and materials that are available.

Source Configuration

The AMD Transfer Switch’s standard configuration was engineered to transfer between two distinct power sources, such as utility power and an Alternate generator. The option to transfer between two utility sources can be specified by selecting the corresponding Source Configuration. See page 11 for more information.

Standard & Optional Lug Sizes

Mechanical lugs are provided for all incoming and outgoing connections. See table on page 16 for available lug sizes. Compression lugs are not available on the AMD Transfer Switch.

Technical Data

Standard & Optional Features (cont.)

Service Entrance Rated (Optional)

The service entrance rated option provides overcurrent protection on the Normal Source (Source 1), allowing it to be designated as a means of service disconnect. A neutral ground bond is also provided (where applicable). Service entrance rated AMD's that are 1000A and greater come standard with arc flash reduction features and ground fault protection when service disconnects installed on solidly grounded wye electrical systems over 150V line to ground.

Breaker Trip Ratings (Optional)

The AMD can be configured to include overcurrent protection on both the Normal Source (Source 1) and the Alternate Source (Source 2), The available trip sizes are based on the frame amperage of the breaker. See page 13 for a full list of available trip sizes.

Closed Transition Transfer (Optional)

The Closed Transition Transfer option allows the ATS to seamlessly switch between power sources, ensuring an uninterrupted supply to the load. This is achieved by synchronizing both sources and allowing the Alternate Source (Source 2) to close before opening the Normal Source (Source 1), thus performing a "make before break" transfer. Both sources will be closed in parallel for a maximum of 100 milliseconds. An electrical interlock is provided in place of the standard mechanical interlock.

Please note: Closed transition or "make before break" transfer can only occur if both power sources are available and synchronized. If one is unavailable or not synchronized, the Transfer Switch will revert to open transition or "break before make", which may result in a momentary power interruption during the transfer.

Space Heater (Optional)

A 50W heater is provided on a constant circuit to aid in the regulation of the interior temperature and mitigate the formation of condensation in the enclosure and on the internal components.

Surge Protection Device (Optional)

A surge protection device (SPD) is included on the Normal Source to protect the control circuity from transient voltage surges.

Table 1 : SPD Size		
Amperage	SCCR	Line to Neutral
100A - 1200A	200kA	20kA

861 USB to Ethernet Communication Device (Optional)

The 861 USB to Ethernet Communication Device is an optional accessory that allows for the monitoring of an 8600 Controller with USB connectivity over a LAN (network) or WAN (internet) connection. The device includes an LED indicator that shows the operation and connection status of the ATS and allows up to four users to simultaneously monitor the controller's status remotely. See page 7 for more information.

Metering/Power Monitoring (Optional)

Metering/Power Monitoring is an optional accessory available on the 8600 Automatic Transfer Switch Controller, which monitors kWh, kVAr, kVAh, and kVArh. This accessory also allows for customer-configurable load shedding. See page 7 for more information.

Remote Disconnect (Optional)

A shunt trip input is provided so that either or both of the switches can be tripped and the transfer switch sent in to the Fault mode. A manual reset of the switch is required. Customer interconnection can be made at a terminal block.

Technical Data

100A & 400A Frame

Table 2 : 100 Amp Frame Molded Case Details

kAIC @ 480V	Rated Current (A)	Breaker Model Code			Switch Model Code		
		2 Pole	3 Pole	4 Pole	2 Pole	3 Pole	4 Pole
35	50	FD3050		FD4050	FD3100K		FD4100K
	70	FD3070		FD4070			
	100	FD3100		FD4100			
65	50	HFD3050		HFD4050	HFD3100K		HFD4100K
	70	HFD3070		HFD4070			
	100	HFD3100		HFD4100			
100	50	FDC3050		FDC4050			
	70	FDC3070		FDC4070			
	100	FDC3100		FDC4100			

Table 3 : 400 Amp Frame Molded Case Details

kAIC @ 480V	Rated Current (A)	Breaker Model Code			Trip Unit Model Code		Switch Model Code		
		2 Pole	3 Pole	4 Pole	3 Pole	4 Pole	2 Pole	3 Pole	4 Pole
35	125A	KD3400F		KD4400F	KT3125T	KT4125T	KDB3400K		KDB4400K
	150A				KT3150T	KT4150T			
	175A				KT3175T	KT4175T			
	200A				KT3200T	KT4200T			
	225A				KT3225T	KT4225T			
	250A				KT3250T	KT4250T			
	300A				KT3300T	KT4300T			
	350A				KT3350T	KT4350T			
	400A				KT3400T	KT4400T			
65	125A	HKD3400F		HKD4400F	KT3125T	KT4125T	HKD2400K		HKD4400K
	150A				KT3150T	KT4150T			
	175A				KT3175T	KT4175T			
	200A				KT3200T	KT4200T			
	225A				KT3225T	KT4225T			
	250A				KT3250T	KT4250T			
	300A				KT3300T	KT4300T			
	350A				KT3350T	KT4350T			
	400A				KT3400T	KT4400T			
100	125A	KDC3400F		KDC4400F	KT3125T	KT4125T			
	150A				KT3150T	KT4150T			
	175A				KT3175T	KT4175T			
	200A				KT3200T	KT4200T			
	225A				KT3225T	KT4225T			
	250A				KT3250T	KT4250T			
	300A				KT3300T	KT4300T			
	350A				KT3350T	KT4350T			
	400A				KT3400T	KT4400T			

Technical Data

600A - 1200A Frame

Table 4 : 600 Amp Frame Molded Case Details

kAIC @ 480V	Rated Current (A)	Breaker Model Code			Trip Unit Model Code		Switch Model Code		
		2 Pole	3 Pole	4 Pole	3 Pole	4 Pole	2 Pole	3 Pole	4 Pole
35	450A	LD3600F		LD4600F	LT3450T	LT4450T	LDB3600WK		LDB4600WK
	500A				LT3500T	LT4500T			
	600A				LT3600T	LT4600T			
65	450A	HLD3600F		HLD4600F	LT3450T	LT4450T	HLDB3600WK		HLDB4600WK
	500A				LT3500T	LT4500T			
	600A				LT3600T	LT4600T			
100	450A	LDC3600F		LDC4600F	LT3450T	LT4450T			
	500A				LT3500T	LT4500T			
	600A				LT3600T	LT4600T			

Table 5 : 800 Amp Frame Molded Case Details

kAIC @ 480V	Rated Current (A)	Breaker Model Code			Switch Model Code		
		2 Pole	3 Pole	4 Pole	2 Pole	3 Pole	4 Pole
50	630A	NGS308032E		NGS408032E			
	700A						
	800A						
65	630A	NGH308032E		NGH408032E	NGK3080KSE		NGK4080KSE
	700A						
	800A						
100	630A	NGC308032E		NGC408032E			
	700A						
	800A						

Table 6 : 1200 Amp Frame Molded Case Details

kAIC @ 480V	Rated Current (A)	Breaker Model Code			Trip Unit Model Code		Switch Model Code		
		2 Pole	3 Pole	4 Pole	3 Pole	4 Pole	2 Pole	3 Pole	4 Pole
50	900	NGS312036E		NGS412036E	NGS312032E	NGS412032E			
	1000A								
	1200A								
65	900	NGH312036E		NGH412036E	NGH312032E	NGH412032E	NGK3120KS		NGK4120KSE
	1000A								
	1200A								
100	900	NGC312036E		NGC412036E	NGC312032E	NGC412032E			
	1000A								
	1200A								

TRANSFER

Technical Data

Controller Features & Accessories

Controller Description & Overview

The 8600 Automatic Transfer Switch Controller monitors the voltage and frequency of the AC supply from two potential sources, such as a generator, utility, or a combination of both. If the supply from Source 1 (S1) fails, the Controller will issue a start command to Source 2 (S2). The 8600 Automatic Transfer Switch Controller will transfer the load to S2 once it produces an output that meets the required limits. When S1's supply returns and meets the specified limits, the load will then be switched back, and S2 will be shut down. To prevent unnecessary start commands, the 8600 offers various timing sequences.

- Standard Features:
- 4-Line Back-Lit LCD Text Display
- Five Key Menu Navigation
- Front Panel Editing with PIN Protection
- LED & LCD Alarm Indication
- Source 1/Source 2 Control
- Engine Test and Start Contact
- Load Inhibit
- Single Phase Protection
- Manual Restore to S1
- Configurable Timers & Alarms
- Event Log
- Multiple Date & Time Scheduler
- USB Connectivity
- Backed Up Real Time Clock
- Configurable Display Languages
- RS485 Communications
- Load Shedding Outputs (Requires Metering Accessory)

861 USB to Ethernet Communication Device (Optional)

The 861 USB to Ethernet Communication Device is an optional accessory that is used in conjunction with the 8600 Automatic Transfer Switch Controller to allow for remote monitoring of an ATS over a LAN (network) or WAN (internet) connection. The device includes an LED indicator that shows the operation and connection status of the ATS and allows up to four users to simultaneously monitor the Controller's status remotely.

- Converts Controller's USB port to an Ethernet port
- Built-In web server for use over an internal network and the internet
- Simple configuration via an internet browser
- Remote control and monitoring of the connected controller
- User access permission/restrictions available
- Supports MODBUS TCP via Ethernet port
- LED status indication on the device to aid fault finding

Metering/Power Monitoring (Optional)

Metering/Power Monitoring is an optional accessory for the 8600 Automatic Transfer Switch Controller, which can monitor kWh, kVAr, kVAh, and kVArh. This accessory also allows the user to configure the Controller for load-shedding applications that can be communicated via the native Modbus RS-485 or the optional Ethernet communication module shown above.

Technical Data

Adjustable Controller Features & Factory Defaults

Table 7 : Controller Features			
Set Point	Description	Factory Default	Range
TDES	Time Delay Engine Start	3 Seconds	0 Seconds - 10 Hours
TDNE	Time Delay Normal to Alternate	3 Seconds	0 Seconds - 5 Hours
TDEN	Time Delay Alternate to Normal	3 Seconds	0 Seconds - 5 Hours
TDEC	Time Delay Engine Cool-Off	3 Seconds	0 Seconds - 1 Hours
TDN	Time Delay Neutral	3 Seconds	0 Seconds - 5 Hours
TDEF	Time Delay Alternate Fail Timer	3 Seconds	0 Seconds - 1 Hour
TPRE	Pre-Transfer Delay Timer	10 Seconds	0 Seconds - 5 Minutes
S1 UV DROP	S1 Undervoltage Dropout	80% of the Nominal Voltage	
S1 UV PICK	S1 Undervoltage Pickup	90% of the Nominal Voltage	
S2 UV DROP	S2 Undervoltage Dropout	80% of the Nominal Voltage	
S2 UV PICK	S2 Undervoltage Pickup	90% of the Nominal Voltage	
Check Sync	Synchronization	Off	0 Seconds - 10 Minutes
TD	Transient Delay	Off	0 Seconds - 30 Seconds
PHASES	Three-Phase or Single-Phase	Refer to Model Code or Schematic	
PLANT EXER	Plant Exerciser Programming	Off	Week/Day/Time/Duration
PHASE ROT	Phase Rotation	Off	(L1, L2, L3) OR (L3, L2, L1)

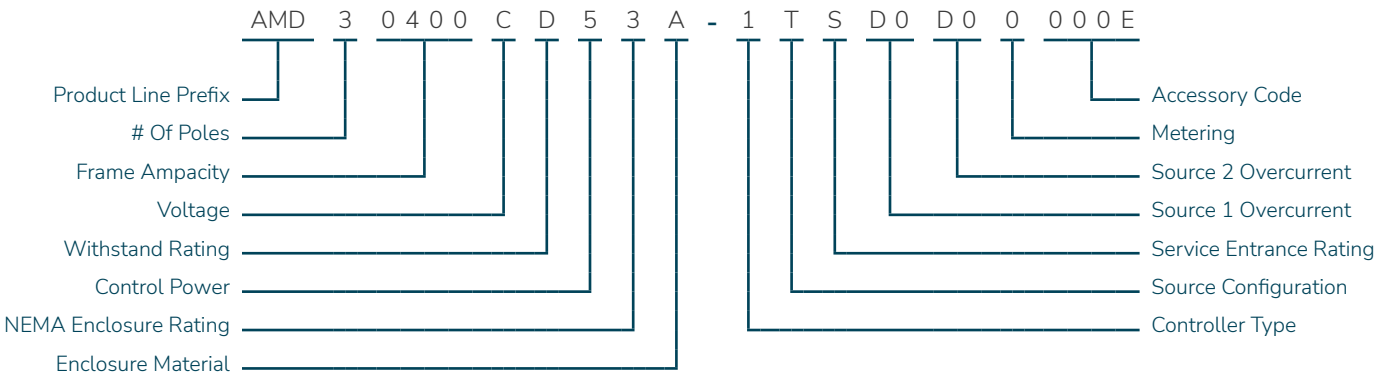
Table 8 : Contacts			
Available Contacts	Contact Type	Contact Position	Rating
Alarm	Dry	Form C	10A @250VAC
Pre-Transfer Contact	Dry	Form A	10A @250VAC
S1 Available	Dry	Form C	10A @250VAC
S2 Available	Dry	Form C	10A @250VAC
Engine Start	Dry	Form C	8A @ 250VAC
S1 Switch Position	Dry	Auxiliary	6A @ 250VAC
S2 Switch Position	Dry	Auxiliary	6A @ 250VAC
Remote Disconnect	Wet	Digital Input	N/A
Peak Shave	Wet	Digital Input	N/A

Selection Guide

Characters & Designations

All Lake Shore Electric Transfer products are designed by using a structured, smart-style model code ordering system. The complete AMD model code is composed of 25 customer-selected characters, with each identifying a feature or function of the design. The first thirteen characters of the model code define the basic configuration. The twelve characters that follow identify the Controller type, service rating, and any additional accessories.

Sample Model Code:



TRANSFER

Selection Guide

Model Code Configuration

Number of Poles

Following the AMD prefix of the model code is the number of poles. Available in configurations of 2–pole, 3–pole, and 4–pole, this character is what distinguishes between a solid or switched neutral.

Table 9 : Number of Poles

Poles	Alpha Numeric
2	2
3	3
4	4

Frame Ampacity

The AMD product line is designed using industry standard molded case frame sizes and is available in amperages raging from 100A - 1200A. A breaker trip rating can be selected for both the Normal and Alternate Source based on the fame size chosen below. See page 13 for a complete list of available trips,

Table 10 : Amperage Codes

Amp Frame	Alpha Numeric
100	0100
225	0225
400	0400
600	0600
800	0800
1200	1200

Voltage

Identification of the system voltage determines the number of phases as well as the presence of a neutral wire.

Table 11 : Voltage Codes

Voltage	Phase/Wire	Alpha Numeric
120/240VAC	1 Ph 3W	A
208Y/120VAC	3 Ph 4W	B
480Y/277VAC	3 Ph 4W	C
240/120VAC	3 Ph 4W	G
480VAC	3 Ph 3W	K

Withstand Rating

The withstand rating is based on UL 489 & 1066 Switching Device Ratings at 480VAC; Lower voltages offer higher kAIC ratings within the same alphanumeric code. Contact the factory for these ratings.

Table 12 : Withstand Rating Codes

kAIC	Alpha Numeric
35kAIC @ 480V	D
50kAIC @ 480V	F
65kAIC @ 480V	G
100kAIC @ 480V	I

Control Power Supply

Control power is externally derived from the engine generator battery system. If external power is not available, internally derived power can be provided via DC Uninterrupted Power Supply (UPS) which provides a minimum 15 minutes of backup power.

Table 13 : DC Power Supply

Control Power	Alpha Numeric
Externally Derived (12VDC - 24VDC)	5
Internally Derived (UPS)	8

NEMA Enclosure Rating

AMD Transfer Switches are available in NEMA Type 1 or NEMA Type 3R enclosures.

Table 14 : NEMA Code

Enclosure Rating	Alpha Numeric
NEMA 1	1
NEMA 3R	3

Enclosure Material

The standard enclosure material of the AMD Transfer Switch is hot rolled steel with a textured ANSI-61 gray powder coat finish. Additional material options are listed below.

Table 15 : Enclosure Code

Material	Alpha Numeric
Hot Rolled Steel (Powder Coat Finish)	A
Stainless Steel – 304 (#4 Brushed Finish)	C
Stainless Steel – 316 (#4 Brushed Finish)	D

Selection Guide

Accessory Code Configuration

Controller Type

The first character after the hyphen specifies the Transfer Switch Controller, with the Standard Controller Package (Alpha Numeric 1) being the default selection for all Automatic Transfer Switches. See page 7 for Controller and Ethernet Communication Module details.

Table 16 : Controller

Description	Alpha Numeric
Standard Controller Package	1
Standard Controller Package with Ethernet	2

Source Configuration

The second character after the hyphen identifies the power source type. The AMD Transfer Switch's standard configuration switches between two distinct power source types, such as a Normal Source and an Alternate generator (Alpha Numeric T). Alternative configurations are listed below.

Table 17 : Source

Configuration	Alpha Numeric
S1 Utility & S2 Generator	T
S1 Utility & S2 Utility	P

Service Entrance Rating Code

Following the source configuration character is the option for service entrance rated or non-service entrance rated. See page 3 for more information.

Table 18 : SER Code

Rating	Alpha Numeric
Non-Service Entrance Rated	N
Service Entrance Rated	S

Source 1 Overcurrent

The AMD can be configured to include overcurrent protection on the Normal Source (Source 1) which is based on the frame ampacity as selected on page 10. The table below lists the default two-character trip rating offered on the Normal Source (S1) as well as the option for no overcurrent protection. Additional trip rating codes and selection instructions are available on page 13.

Table 19 : S1 Default Trip Rating

Rating	Alpha Numeric
No Source 1 Trip (Switch Only)	00
100A Thermal Magnetic	A0
400A Thermal Magnetic	D0
600A Thermal Magnetic	E0
800A LSI	F0
1200A LSIG	G0

Source 2 Overcurrent

The option to include overcurrent protection on the Alternate Source (Source 2) is also available and is based on the frame ampacity as selected on page 10. The table below lists the default two-character trip rating offered on the Alternate Source (S2), as well as the option for no overcurrent protection. Additional trip rating codes and selection instructions are available on page 13.

Table 20 : S2 Default Trip Rating

Rating	Alpha Numeric
No Source 2 Trip (Switch Only)	00
100A Thermal Magnetic	A0
400A Thermal Magnetic	D0
600A Thermal Magnetic	E0
800A LSI	F0
1200A LSIG	G0

Metering/Power Monitoring

Selection of this accessory is to include Metering/Power Monitoring on the Load. Because this is an optional accessory, the default selection for all Automatic Transfer Switches is Alpha Numeric 0.

Table 21 : Metering

Rating	Alpha Numeric
No Meter/Power Monitoring	0
Meter/Power Monitoring on Load	3

Accessory Code Position 1

The first position of the four-digit accessory code allows for the addition of a remote disconnect, as well as closed transition transfer.

- Remote Disconnect provides a shunt trip input so that either or both of the switches can be opened from a remote location and the Transfer Switch sent to the Fault mode.
- Closed Transition Transfer allows the ATS to transfer between sources without interruption of power to the load. See page 3 for more information

Table 22 : Accessory Code 1

Description	Alpha Numeric
No Option	0
Remote Disconnect	1
Closed Transition Transfer	2
Remote Disconnect & Closed Transition	3

Accessory Code Position 2

The second position of the four-digit accessory code provides the option to include a space heater.

- Space Heaters operate on 120VAC. OverCurrent protection is also provided.

Table 23 : Accessory Code 2

Description	Alpha Numeric
No Option	0
Space Heater	1

Accessory Code Position 3

The third position of the four-digit accessory code is used to specify the need for an Alternate lug size and/or Surge Protection Device (SPD).

- Optional Lug sizes can be found on page 16
- Surge Protection Device's are sized per the frame amperage of the ATS. See page 3 for more information.

Table 24 : Accessory Code 3

Description	Alpha Numeric
No Option (Standard Lug Size)	0
Optional Lug Size	1
Surge Protection Device	2
Optional Lug Size & Surge Protection Device	3

Accessory Code Position 4

The fourth position of the four-digit accessory code is a fixed character with no selection required.

Table 25 : Accessory Code 4

Description	Alpha Numeric
Manufacturer Code	E

Selection Guide

Overcurrent Trip Rating

The tables below provide a list of available trip ratings based on the AMD frame ampacity as selected on page 10. Different trip ratings within the same breaker frame size can be selected for each source (example below). The default two-character trip rating of each frame size has been highlighted. Refer to table 20 & 21 on page 11 if overcurrent protection is not needed.

Fixed Thermal Magnetic Trip

Table 26 : 100A Frame

Trip	Alpha Numeric
100A	A0
70A	A2
50A	A1

Table 27 : 400A Frame

Trip	Alpha Numeric
400A	D0
350A	D8
300A	D7
250A	D6
225A	D5
200A	D4
175A	D3
150A	D2
125A	D1

Table 28 : 600A Frame

Trip	Alpha Numeric
600A	E0
500A	E2
450A	E1

Adjustable Electronic Trip

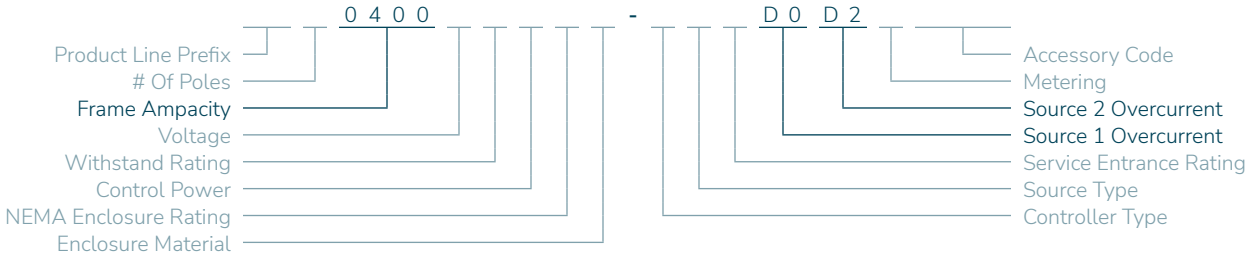
Table 29 : 800A Frame

Trip	Alpha Numeric
800A	F0
700	F2
630	F1

Table 30 : 1200A Frame

Trip	Alpha Numeric
1200A LSIG	G0
1200A LSI	G5
1000A LSIG	G4
1000A LSI	G3
900A LSIG	G2
900A LSI	G1

Trip Rating Selection Example

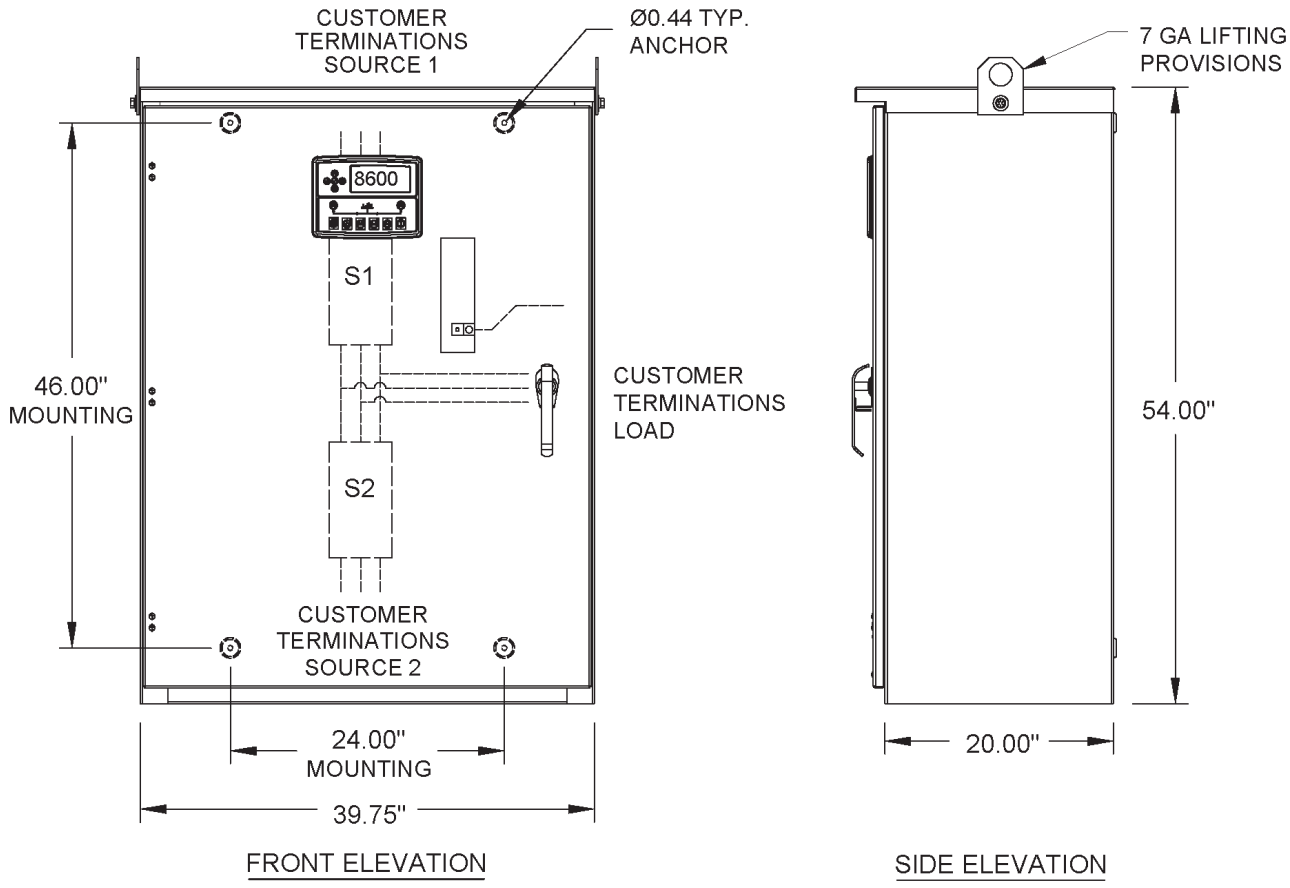


TRANSFER

Weights & Dimensions

AMD Transfer Switch (100A - 400A)

Exterior Layout & Dimensions



Recommended Cable Entry

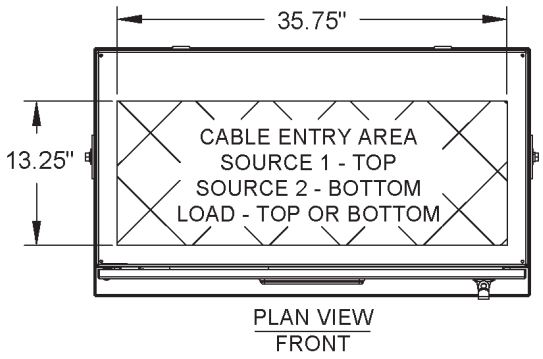


Table 31 : Enclosure Dimensions

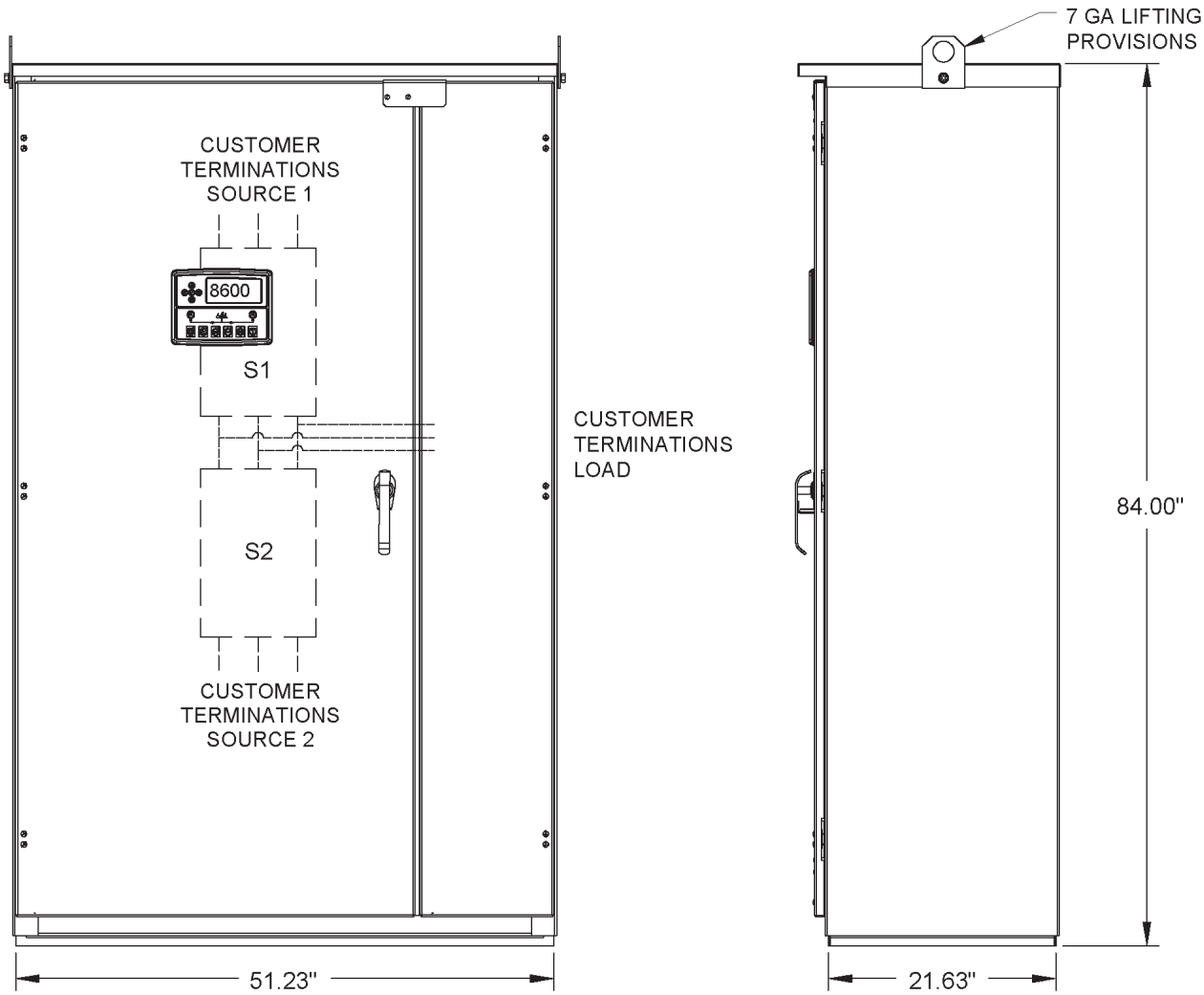
Height	54”
Width	39.75”
Depth	20”
Approximate Weight	550 lbs.
Cable Entry Dimensions	35.75”W x 13.25”D

TRANSFER

Weights & Dimensions

AMD Transfer Switch (600A - 1200A)

Exterior Layout & Dimensions



Recommended Cable Entry

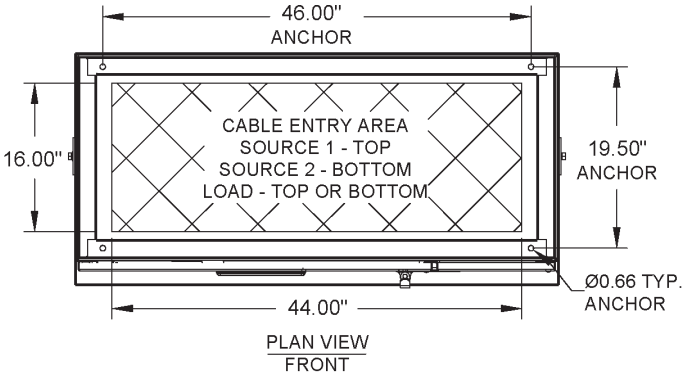


Table 32 : Enclosure Dimensions

Height	84”
Width	51.23”
Depth	21.63”
Approximate Weight	750 lbs.
Cable Entry Dimensions	44”W x 16”D

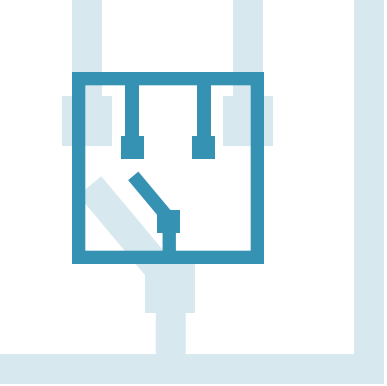
TRANSFER

Connection Information

Mechanical Lug Size & Quantity

Table 33 : Lug Size & Quantity

Ampacity	Location		Standard Lug	Optional Lug	Ground
100A	Normal Source	Per Phase	(1) #14-1/0	N/A	(1) #14-1/0
		Neutral	(1) #14-1/0	N/A	
	Alternate Source	Per Phase	(1) #14-1/0	N/A	
		Neutral	(1) #14-1/0	N/A	
	Load	Per Phase	(1) #14-1/0	N/A	
		Neutral	(1) #14-1/0	N/A	
400A	Normal Source	Per Phase	(1) 2/0-500MCM or (2) 2/0-250MCM	(1) 3/0-350MCM	(1) #14-1/0
		Neutral	(1) 2/0-500MCM or (2) 2/0-250MCM	(1) 3/0-350MCM	
	Alternate Source	Per Phase	(1) 2/0-500MCM or (2) 2/0-250MCM	(1) 3/0-350MCM	
		Neutral	(1) 2/0-500MCM or (2) 2/0-250MCM	(1) 3/0-350MCM	
	Load	Per Phase	(1) 2/0-500MCM or (2) 2/0-250MCM	((1) 3/0-350MCM	
		Neutral	(1) 2/0-500MCM or (2) 2/0-250MCM	(1) 3/0-350MCM	
600A	Normal Source	Per Phase	(2) 400-500 MCM	N/A	(1) #14-1/0
		Neutral	(2) 400-500 MCM	N/A	
	Alternate Source	Per Phase	(2) 400-500 MCM	N/A	
		Neutral	(2) 400-500 MCM	N/A	
	Load	Per Phase	(2) 250 - 500 MCM	N/A	
		Neutral	(2) 250 - 500 MCM	N/A	
800A	Normal Source	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	(1) #6-350MCM
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	
	Alternate Source	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	
	Load	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	
1200A	Normal Source	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	(1) #6-350MCM
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	
	Alternate Source	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	
	Load	Per Phase	(3) 500-750 MCM	(4) 4/0-500MCM	
		Neutral	(3) 500-750 MCM	(4) 4/0-500MCM	



LSE

LAKE SHORE

ELECTRIC

Global Headquarters:
Lake Shore Electric, LLC.
5 Hemisphere Way
Bedford, OH 44146

Contact Information:
Phone: 440.232.0200
E-Mail: Sales@lake–shore–electric.com
www.lake-shore-electric.com/transfer

Publication No. DG0100100 V4.08.25