

LTS

LTS Load Shedding Automatic Transfer Switch

200 Amp Service Rated



DESCRIPTION

The LTS is designed to allow the most efficient use of the generator by monitoring and managing the backed up selected and non-selected circuits. If the generator approaches overload condition, the non-selected circuits are cycled off, allowing the selected circuits to remain powered. This switch is designed to operate with air-cooled and liquid-cooled generators from 8 kW through 48 kW.

STANDARD FEATURES

The LTS is housed in an aluminum NEMA/UL 3R enclosure. It is service entrance rated at 200 amps and also has a built-in 16 circuit priority load center. The main contactor protects the selected priority circuits while the secondary contactor protects the remaining, non-selected circuits located in the existing electrical panel. The cover is side hinged for easy access. The controller at the generator handles all the timing, sensing, exercising functions and transfer commands (not load shed commands).

CONTACTOR RATING

The transfer switch contactor is rated at 250 VAC and is available in single phase configuration only.

200 Amps

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Functions

All timing and sensing functions originate in the generator controller

Utility voltage drop-out.....	<60%
Timer to generator start.....	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
Engine warm up delay.....	5 seconds
Standby voltage sensor.....	60% for 5 seconds
Utility voltage pickup.....	>80%
Re-transfer time delay.....	15 seconds
Engine cool-down timer.....	60 seconds
Exerciser.....	12 minutes every 7 days

All Load Shed and Automatic load return timing and sensing functions originate in the LTS load shed controller

Load shed activation.....	.58 Hz for >3 seconds or below 50 Hz for >1/2 second
Automatic load return.....	Adjustable

The transfer switch can be operated manually without power applied.

*When used in conjunction with units utilizing Evolution™ controls

Specifications

Model	RTSJ200A3
No. of Poles	2
Current Rating (amps)	200
Voltage	120/240 1Ø
UL Listed	Standard
Total of Pre-wired Circuits in Priority Load Center	16
No. 15A 120V	5
No. 20A 120V	5
No. 20A 240V	1
No. 40A 240V	1
No. 50A 240V	1
Circuit Breaker Protected Available RMS Symmetrical Fault Current @ 250 Volts	10,000
Enclosure Type	NEMA/UL 3R
Load Transition Type	Open Transition
Lug Range	250 MCM - #6

Features

- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2-pole, 250 VAC contactors.
- 160 millisecond transfer time.
- Dual coil design.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R (indoor/outdoor rated) aluminum enclosure is standard.
- Limited 2 Year Warranty

Dimensions and Wire Ranges

Mechanical Dimensions (in inches)					
Height (in./mm)		Width (in./mm)		Depth (in./mm)	Weight (lbs./kilos)
H1	H2	W1	W2		
39.3/998.2	42.3/1074.4	17.9/454.7	20.1/510.5	7.9/180.1	80/36.29

Terminal Wire Ranges			
ATS Rated Amps	CB Terminal	Neutral Lug Assy	Ground Assy
200A 2-Pole UL	2 x 300 MCM - #1	4 x 350 MCM - #6	5 x #4 - #14
Mounting Holes	4 x .25 Diameter		

