



Automatic Transfer Switches

ATS PRODUCT LINE

Power Switching Technology

Circuit Breaker
Power Contactor

Amperage Range

100A to 400A
600A to 800A
800A to 1200A
1600A
2000A to 4000A

Voltage Range

208 / 240V
380V
480V
600V
Multivoltage Capability¹

Poles

2 Pole
3 Pole
4 Pole

Withstand Current Rating Tested

50 mSEC (3 Cycle), Any Breaker
Series Rated, Specific Breaker

Safety Standard Certifications

UL 1008
CSA C22.2 No. 178
IEC 60947-6-1 Compliant

Warranty

2 Year
5 Year

ATS Configuration

Standard
Service Entrance
Bypass / Isolation
Service Entrance and Bypass Isolation

ATS Operation

Open Transition
Closed Transition - Momentary²
Closed Transition - Soft Load²
Dual Source

Controller Features

TSC 900 Controller
DSE™/ComAP™ Controller
TSC 9 Controller
Programmable Output Contact Qty

FEATURE COMPARISONS:

	TS 880	TS 870	TS 840	TS 970	TS 930	TS 910	TS 920
Power Switching Technology	●	●	●	●	●	●	●
Amperage Range		●	●	●	●	●	●
100A to 400A		●	●	●	●	●	●
600A to 800A		●	●	●	●	●	●
800A to 1200A	●	●		●	●		
1600A	●				●		
2000A to 4000A	●				●		
Voltage Range	●	●	●	● ⁵	●	●	●
208 / 240V	●	●	●	● ⁵			
380V	●	●		● ⁵	●		
480V	●	●			●		
600V	●	●					
Multivoltage Capability ¹	●	●		●			
Poles	●	●	●	●	●	●	●
2 Pole	●	●	●	●	●	●	●
3 Pole	●	●	●	●	●	●	●
4 Pole	●	●		●	●		
Withstand Current Rating Tested	●	●	●	●	●	●	●
50 mSEC (3 Cycle), Any Breaker	●	●	●	●	●	●	●
Series Rated, Specific Breaker				●			
Safety Standard Certifications	●	●	●	●		● ⁴	●
UL 1008	●	●	●	●		●	●
CSA C22.2 No. 178	●	●	●	●		●	●
IEC 60947-6-1 Compliant					●		
Warranty	●	●	●	●	●	●	●
2 Year	●	●	●	●	●	●	●
5 Year	○	○	○	○	○	○	○
ATS Configuration	●	●	●	●	●	●	●
Standard	●	●	●	●	●	●	●
Service Entrance	○	○	○	○		●	●
Bypass / Isolation	○	○					
Service Entrance and Bypass Isolation	○	○					
ATS Operation	●	●	●	●	●	●	●
Open Transition	●	●	●	●	●	●	●
Closed Transition - Momentary ²	○				○		
Closed Transition - Soft Load ²	○				○		
Dual Source	○	○		○			
Controller Features	●	●		●	●		
TSC 900 Controller	●	●		●	●		
DSE™/ComAP™ Controller			●			●	●
TSC 9 Controller							
Programmable Output Contact Qty	8	8	2	8	8		

Test Selection

Auto / Test
4 Position Selection-Auto / Off / Full Load Test / No Load Test
Manual Initiated Exercise Clock
Calendar Based Exercise Clock

Voltage and Frequency Sensing

Utility Under Voltage
Utility Over Voltage
Utility Over / Under Frequency
Utility Phase Balance / Phase Loss
Generator Under Voltage
Generator Over Voltage
Generator Phase Balance
Generator Under Frequency
Generator Over Frequency

Timers

Engine Start
Engine Warmup
Neutral Delay
Engine Cooldown
Utility Return Timer
In-Phase Detector

Data Logs

Total number of transfers
Total number of transfers due to source failure
Number of hours controller is energized
Number of hours load is on utility
Number of hours load is on generator

Remote Communication

Thomson THS Series Communications
Modbus™ RTU Communications
Auto call out on alarm / outage
Modbus™ TCP Communications

Digital Display

Wireless Remote Messaging
Utility Voltage and Frequency
Generator Voltage and Frequency
Timer Countdown and Settings

Adjustments/Programming

Voltage and Frequency Settings / Jumper Selections
Onboard Keypad and Digital Display

Enclosures

Open Style
NEMA 1
NEMA 3R Single Door
NEMA 3R Double Door
NEMA 4/3R Stainless Steel

TS 880 TS 870 TS 840 TS 970 TS 930 TS 910 TS 920

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○ Optional

¹ Standard on all 3P with Solid Neutral and 4P ATS

² Available only from 800A to 4000A with insulated case switch type ATS

³ Data available with external lap top, PC temporarily connected

⁴ Optional standby UL1008 rated

⁵ Default setup 480V. Field configurable to 208/240V

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NOTE: Specifications subject to change without notice.

