



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	●	●		● ⁵	●		
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		

THOMSON

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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○	○	○			○	○
●	●	○ ³	●	●		
●	●	○ ³	●	●		
●	●	○ ³	●	●		

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●	●		●	●		

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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.

