

Automatic Transfer Switches

ATS Product Line Guide

FEATURE COMPARISONS:		TS 880	TS 870	TS 840	TS 830
Amperage Range					
	100A to 800A	●	●	●	●
	1000A to 1200A	●	●		●
	1600A	●			●
	2000A to 4000A	●			●
Voltage Range					
	240V	●	●	●	●
	380V	●	●		●
	480V	●	●		
	600V	●	●		
	Multivoltage capability ¹	●	●		
Poles					
	2 Pole	●	●	●	●
	3 Pole	●	●	●	●
	4 Pole	●	●		●
Safety Standard Certifications					
	UL 1008	●	●	●	
	CSA C22.2 No. 178	●	●	●	
	None				●
Warranty					
	1 Year		●	●	●
	2 Year		○	○	
	3 Year		○	○	
	4 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	●			
TSC 800/80 Control Features					
	TSC 800 Controller	●			
	TSC 80 Controller		●	●	●
	Standard Auxiliary Contacts Utility	3	1	1	1
	Standard Auxiliary Contacts Generator	3	1	1	1
	Programmable Output Contact	1			

FEATURE COMPARISONS:

	TS 880	TS 870	TS 840	TS 830
Test Selection				
Auto/Test		●	●	●
Four Position Selection - Auto/Off/Full Load Test/No Load Test	●	○		○
Manual Initiated Exercise Clock		●	●	●
Programmable Exercise Clock	●	○		○
Single or Three Phase Sensing Utility Source and Control				
Utility Under Voltage	●	●	●	●
Utility Over Voltage	●			
Utility Over/Under Frequency	●			
Utility Phase Balance	●	○		
Single or Three Phase Sensing Generator Source and Control				
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	●	●	●	●
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 2000 Series Communications ⁴	●			
Modbus™ RTU Series Communications ⁴	●			
Auto call out on an alarm/outage ⁵	●			
Digital Display				
Utility Voltage and Frequency	●	○ ³	○ ³	○ ³
Generator Voltage and Frequency	●	○ ³	○ ³	○ ³
Timer Countdown and Settings	●	○ ³	○ ³	○ ³
Voltage and Frequency Settings	●	○ ³	○ ³	○ ³
Adjustments/Programming				
Potentiometer Adjustments		●	●	●
Onboard Keypad and Digital Display	●			
Enclosures				
Open Style	●	●		●
NEMA 1	●	●		●
NEMA 3R Single Door	●	●	●	●
NEMA 3R Double Door	●	●		●
NEMA 4/3R Stainless Steel	●	●		●

○ = 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 SDM - Service Display Module, handheld service tool.

⁴ Available with optional communication modules, CIM, MPC-STD or MPC-ETN, capable of handling up to 10 ATS.

⁵ Auto call out when using CIM THS 2000, and telephone dial up network.

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