



RUSSELECTRIC

RTSCD Commercial Duty Transfer Switches

www.russelectric.com

Product description

Russelectric® RTSCD Automatic Transfer Switches utilize ultra modern designs and deliver Russelectric's reputation for reliability and ease of operation.

Typical applications

- Commercial buildings
- Educational campuses
- High-rise complexes
- Industrial Plants
- Manufacturing facilities

Standards and certifications

- UL 1008 up to 480 VAC
- NFPA 110
- NEC Articles 700, 701, 702
- Enclosure UL Type 1, 3R or 4X
- Seismic Standards: IBC 2018, CBC2019

Key features

- Available in 2, 3 & 4 Pole with solid or fully rated switched neutral
- User friendly, intuitive keypad and display with both icons and word markings
- Historical event log standard
- Front connected
- RS485 MODBUS RTU Protocol
- Rapid and reliable arc quenching
- Manual Transfer with rapid arc interruption and permanently affixed handle
- Quick-Break, Quick-Make high speed preloaded, over-center transfer
- Double throw, mechanically held contactor mechanism
- Contacts easily accessible for fast contact inspection
- Flame retardant SIS switchboard type wiring

Optional accessories

- PM – Power Monitoring Package (PM)
- API-Auto/Load Test Key Switch and Load Shed Relays (Source Inhibit Relays) both sources
- AP2 – Selector Switch for Auto/Manual
- Pushbuttons for Manual Transfer (XK12, XP12, XP13)
- Space Heater / Thermostat

Russelectric®

A Siemens Business

RTSCD Commercial Duty Transfer Switches

The RTSCD line of transfer switches deliver Russelectric’s legendary reputation for quality and reliability in a commercial duty switch.

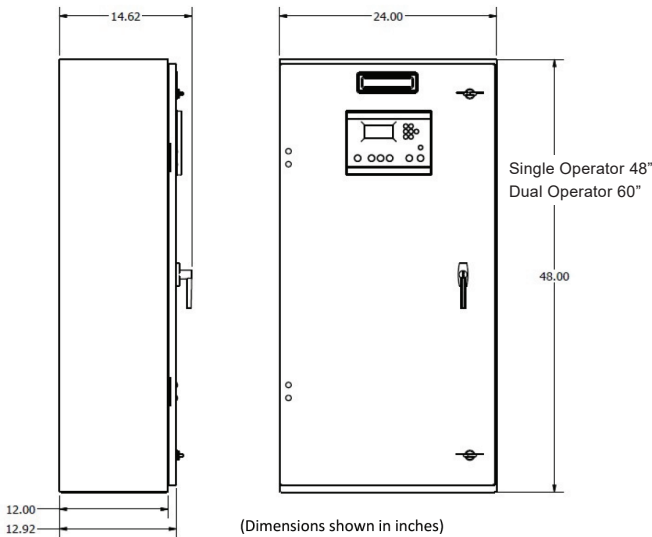
The RTSCD has a user friendly operator interface panel (O.I.P.), which utilizes softkeys and intuitive operation. Like all Russelectric transfer switches, the RTSCD features preloaded springs and an electric operator-driven over-center mechanism

for extremely quick switching operations. This unique ATS design instantaneously opens and closes the ATS contacts and provides for rapid full arc interruption, even under maximum voltage and amperage. This considerably reduces contact erosion and effectively increases the switch’s useful life.

A manual operator is permanently fixed to the ATS switching chassis.

Model Numbering System for RTSCD Transfer Switches																							
Model	Operation Type		Switch Type		Operator	Current Rating	Poles	Voltages		Terminal Type	Enclosure Type			Encl. Rating	Material	PM Power Mtr.		AP1 XK1, Load Shed		AP2 XP12, XP13		Space Heater / Thermostat	
	A	Auto	T	Transfer Switch				A	A		A	277/480	M			W	Wall Mount	1	UL Type 1	Sheet Steel	X	No	X
RTSCD	A	Auto	T	Transfer Switch	A	LV Open Transition Single Operator	100	2	A	277/480													
					B	LV Open Transition Delayed (Dual Operator)	200	3	B	480			3R	UL Type 3R	Sheet Steel	M	Yes	1	Yes	2	Yes	3	Yes
							260	4	C	120/208			4X	UL Type 4X	304 Stainless								
							400		D	208			4XS	UL Type 4X	316 Stainless								
									E	120/240													
									F	240													
									K	120													
									P	220/380													
									Q	380													

Example: RTSCD-ATA2603AMW1XXXX - Open Transition, 260A, 3 Pole with Solid Neutral, 480/277V, No Accessories.



Shipping Weights And Dimensions Type 1 Wall-Mounted Enclosed		
Dimensions Single Operator – 100A – 400A, 3 & 4 pole: 48”H x 24”W x 14.62”D		
Dimensions Dual Operator – 100A – 400A, 3 & 4 pole: 60”H x 24”W x 14.62”D		
Weights	Single Operator	Dual Operator
100A, 3 pole	167 lbs.	238 lbs.
100A, 4 pole	182 lbs.	253 lbs.
200A, 3 pole	177 lbs.	248 lbs.
200A, 4 pole	193 lbs.	264 lbs.
260A, 3 pole	187 lbs.	258 lbs.
260A, 4 pole	205 lbs.	276 lbs.
400A, 3 pole	208 lbs.	279 lbs.
400A, 4 pole	215 lbs.	286 lbs.



User friendly operator interface panel

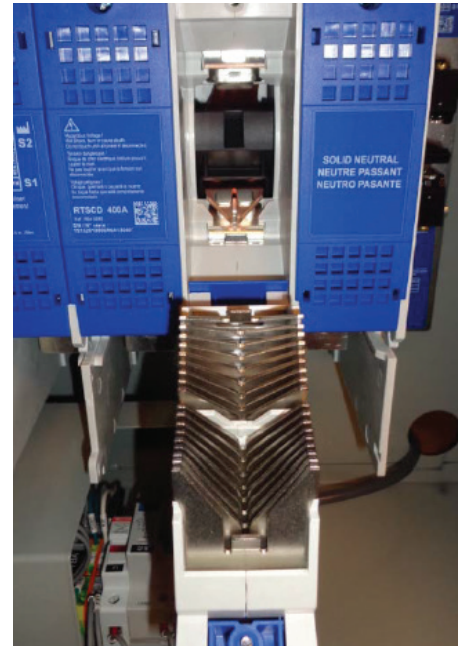
Short Circuit Closing and Withstand Ratings Specific Circuit Breaker Manufacturers 100-200A				
Short-circuit current (kA)	Max. Voltage (VAC)	Manufacturer	Type	Max.Current Rating (Amperes)
50	480	Siemens	3VA5	100
50	480	Siemens	3VA5	150
50	480	Siemens	3VA5	250
50	480	Siemens	3VA6	150
50	480	Siemens	3VA6	250
50	480	Schneider Electric	DC	100
50	480	Schneider Electric	FI	100
50	480	Schneider Electric	HD	100
50	480	Schneider Electric	HG	100
50	480	Schneider Electric	HJ	100
50	480	Schneider Electric	HL	100
50	480	Schneider Electric	JD	250
50	480	Schneider Electric	JG	250
50	480	Schneider Electric	JJ	250
50	480	Schneider Electric	JL	250
35	480	Eaton	FCL	250
35	480	Eaton	JGS	250
35	480	Eaton	JGH	250
35	480	Eaton	JGC	250
Short Circuit Closing and Withstand Ratings When Protected by Current Limiting Fuses				
Short-circuit current (kA)	Max. Voltage (VAC)	Fuse Class	Max Current Rating (Amperes)	
100	480	J	400	
Mechanical Lug Sizing				
100A: (1) 1/0 – 14 AWG OR (2) 4 – 12 AWG 200A: (1) 250MCM – 6 AWG				



Manual operator with protective cover and safety shut-off.

NOTE: When protected by a circuit breaker of specific manufacturer, type, and ampere rating as marked above, this transfer switch is suitable for use in circuits capable of delivering the short-circuit current at the maximum voltage marked.

Short Circuit Closing and Withstand Ratings Specific Circuit Breaker Manufacturers 260-400A				
Short-circuit current (kA)	Max. Voltage (VAC)	Manufacturer	Type	Max. Current Rating (Amperes)
65	480	Siemens	3VA5	250
65	480	Siemens	3VA6	250
50	480	Siemens	3VA6	400
50	480	Siemens	3VA6	600
65	480	Schneider Electric	NSX	400
100	480	Schneider Electric	JJ	250
100	480	Schneider Electric	JL	250
100	480	Schneider Electric	JR	250
65	480	ABB (GE)	SFL	250
100	240	ABB (GE)	SFL	250
50	480	Eaton	LGH	400
Short Circuit Closing and Withstand Ratings When Protected by Current Limiting Fuses				
Short-circuit current (kA)	Max. Voltage (VAC)	Fuse Class	Max Current Rating (Amperes)	
100	480	J	600	
Mechanical Lug Sizing				
260 – 400A: (1) 4-600MCM or (2) 1/0 – 250MCM				



Contacts easily inspectable from the front.

NOTE: When protected by a circuit breaker of specific manufacturer, type, and ampere rating as marked above, this transfer switch is suitable for use in circuits capable of delivering the short-circuit current at the maximum voltage marked.

Legal Manufacturer

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