



Covers have been removed for illustration.

Available Models

- 100, 200, and 400 amp standard and service entrance models are available.
- 150 and 300 amp service entrance models are also available.
- Combined interface/load management board is available on single-phase standard and service entrance models. (Not available on 3-phase or load center models.)
- 100 amp standard single-phase models are available with or without a 16-space load center. Up to 8 tandem breakers can be used for a total of 24 circuits.
- 100amp standard single phase model with a 12-space load center and a NEMA 1 enclosure is available as a standalone non-configurable spec (GM85273-SA).
- See page 7 for more information.

Model RXT Automatic Transfer Switch

The Model RXT automatic transfer switch is designed for use only with Kohler® generator sets equipped with RDC2 or DC2 generator set/transfer switch controls. The transfer switch operation is controlled by the RDC2/DC2 controller.

Standard Features

- Allows utility voltage display on the RDC2/DC2 generator set/transfer switch controller, available exclusively on Kohler® residential and light commercial generator sets
- UL listed
 - Models with load centers, UL 67 listed, file #E251086
 - Models without load centers, UL 1008 listed, file #E58962
- CSA certification, file #LR58301, is available for:
 - Standard ATS without load center (single and three-phase)
 - Service entrance ATS 100 and 200 amp models
- Corrosion-resistant NEMA 3R aluminum enclosure
 - Padlockable
 - Approved for indoor or outdoor installation
 - ANSI 49 gray
- NEMA 1 enclosure available on 100 amp load center models
- Contactor electrically and mechanically interlocked
- Double throw inherently interlocked design
- Contactor manually operable for maintenance purposes
- Silver alloy main contacts
- Transfer switches are 100% equipment rated and can be applied at the rated current without derating (non-service entrance models)
- Service entrance models include disconnect circuit breaker on the utility (normal) source side (80% rated)
- Five-year limited warranty

Standard Interface Board

- Standard interface board connects to the Model RDC2 or DC2 generator set/transfer switch controller.
- Includes a load control contact that provides a 5 minute time delay for startup of selected loads after transfer to the emergency source. Use for large motor loads.

Combined Interface/Load Management Board

- Optional combined interface/load management board replaces the standard interface board and connects to the Model RDC2 or DC2 generator set/transfer switch controller.
- The combined board is available on single-phase standard and service entrance models. (Not available on 3-phase or load center models.)
- The combined board automatically manages up to six residential loads:
 - Up to four customer-supplied power relay modules can be connected for management of non-essential secondary loads.
 - Two HVAC relays are included for control of two independent air conditioner loads.

Specifications

Standard Interface Board	
Controller interface connections A and B	#20 AWG shielded twisted-pair Belden 9402 or 8762 or equivalent
Controller interface connections PWR and COM	#12–20 AWG (see ATS Installation Manual)
Load control contact rating	10 A @ 250 VAC
Load control connections	#12–18 AWG

Note: For combined interface/load management board specifications, see page 3.

Environmental Specifications	
Operating temperature	– 20°C to 70°C (– 4°F to 158°F)
Storage temperature	– 40°C to 85°C (– 40°F to 185°F)
Humidity	5 to 95% noncondensing

Codes and Standards

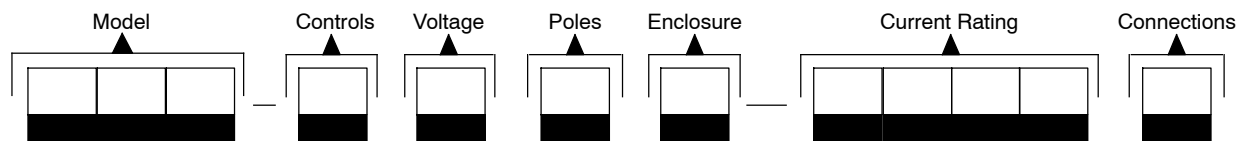
The ATS meets or exceeds the requirements of the following specifications:

- Underwriters Laboratories UL 67, Enclosed Panel Boards (load center models) file #E251086
- Underwriters Laboratories UL 1008, Standard for Automatic Transfer Switches for Use in Emergency Systems, file #E58962
- Underwriters Laboratories UL 508, Standard for Industrial Control Equipment
- CSA certification available, file #LR58301 (not available for 150, 300, or 400 amp service entrance or 100 amp load center models). Must be selected when the transfer switch is ordered.
- NFPA 70, National Electrical Code
- NFPA 110, Emergency and Standby Power Systems
- NEMA Standard IC10–1993, AC Automatic Transfer Switches

Cable Sizes						
AL/CU UL-Listed Solderless Screw-Type Terminals for External Power Connections						
Switch Size, Amps	Switch	Phases	Range of Wire Sizes, Cu/Al			
			Normal and Emergency	Load	Neutral	Ground
100	Standard	1	(1) #14 - 1/0 AWG	(1) #14 – 1/0 AWG	(5) #12 to 250 KCMIL (Cu) or (5) #10 to 250 KCMIL (Al)	(9) #6 – #14 AWG (4) #14 - 1/0 AWG
	12-space load center (NEMA 1)	1	(1) #14 – 1/0 AWG	per customer-supplied circuit breaker	(13) #4 - 14 AWG or (1) #6 – 2/0 AWG	
	16-space load center (NEMA 3R)	1	(1) #14 – 1/0 AWG	per customer-supplied circuit breaker	(27) #4 - 14 AWG or (3) #4 - 1/0 AWG or (1) #6 – 2/0 AWG	
	Service Entrance	1	Normal: (1) #12 – 2/0 AWG Emerg: (1) #14 – 1/0 AWG	(1) #14 – 1/0 AWG	(5) #12 to 250 KCMIL (Cu) or (5) #10 to 250 KCMIL (Al)	(4) #14 – 1/0 AWG (9) #14 - #6 AWG
	3-Phase	3	(1) #14 – 1/0 AWG	(1) #14 – 1/0 AWG	(3) #4 AWG – 600 KCMIL (6) 1/0 AWG – 250 KCMIL	
150 200	Service Entrance	1	Normal: (1) #4 – 300 KCMIL Emerg: (1) #6 – 250 KCMIL	(1) #6 – 250 KCMIL	(5) #12 to 250 KCMIL (Cu) or (5) #10 to 250 KCMIL (Al)	
200	Standard	1	(1) #6 AWG – 250 KCMIL	(1) #6 – 250 KCMIL	(5) #12 to 250 KCMIL (Cu) or (5) #10 to 250 KCMIL (Al)	(9) #14 – #4 AWG (4) #14 - 1/0 AWG
	3-Phase	3				
300 400	Service Entrance	1	Normal: : (1) #1 - 600 KCMIL or (2) #1 – 250 KCMIL Emerg: (2) #6 – 250 KCMIL	(2) #6 – 250 KCMIL	(3) #4 AWG – 600 KCMIL (6) 1/0 AWG – 250 KCMIL	(6) #6 – 3/0 AWG
400	Standard	1	(2) #6 – 250 KCMIL	(2) #6 – 250 KCMIL	(3) #4 AWG – 600 KCMIL (6) 1/0 AWG – 250 KCMIL	(6) #6 – 3/0 AWG
	3-pole 208-240 V	3				
	3 or 4 pole 480 V	3	(1) #4 – 600 KCMIL (2) 1/0 – 250 KCMIL	(1) #4 – 600 KCMIL (2) 1/0 – 250 KCMIL		

Note: Data is subject to change. Refer to the transfer switch dimension drawings and wiring diagrams for planning and installation.

Model Designation



Record the transfer switch model designation in the boxes. The transfer switch model designation defines ratings and characteristics as explained below.

Sample Model Designation: RXT-JFNC-0200A

Model

RXT: Kohler Automatic Transfer Switch

Controls

J: Interface for RDC2/DC2 Controller
 (standard or combined interface/load
 management)

Voltage/Frequency

C: 208 Volts/60 Hz (3-phase only)
 F: 240 Volts/60 Hz
 M: 480 Volts/60 Hz (3-phase only)

Number of Poles/Wires

N: 2-pole, 3-wire, solid neutral (120/240 V only)
 T: 3-pole, 4-wire, solid neutral
 V: 4-pole, 4-wire, switched neutral

Enclosure

A: NEMA 1 *
 C: NEMA 3R

* NEMA 1 enclosure is available on 100 amp load center models only.

Current Rating

0100: 100 amps
 0150: 150 amps
 0200: 200 amps
 0300: 300 amps
 0400: 400 amps

Connections

A: No load center
 B: With load center (100 amp single-phase only)
 ASE: Service entrance rated
 CSE: Service entrance rated with CSA certification
 (100/200 amps only)

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