

## RTS Automatic Smart Transfer Switch

600 - 800 Amps, Single Phase and Three Phase

Model Numbers:

RTSK600A3, RTSK800A3, RTSZ600G3, RTSZ600J3,  
RTSZ600K3, RTSZ800G3, RTSZ800J3, RTSZ800K3

### Description

600-800 amp RTS transfer switches are compatible with the full 22-150 kW line of liquid-cooled generators. The switches are open transition and available in 120/240 1Ø, 120/208 3Ø, 120/240 3Ø, and 277/480 3Ø.

600-800 amp RTS transfer switches are housed in a steel NEMA Type 3R enclosure, with electrostatically applied and baked powder paint. The heavy duty Generac® Contactor is an ETL recognized device, designed for years of service. The generator controller handles all the timing, sensing and exercising functions.

Load Management Technology (single phase switches only) - Through the use of the integrated Smart A/C Module (SACM), each switch has the capability to manage up to 4 individual HVAC (24 V controlled) loads with no additional hardware. When used in tandem with Smart Management modules, up to 8 additional loads can be managed, providing the most installation efficient power management options available.



Image used for illustrative purposes only



\*Assembled in the USA using domestic and foreign parts

## FEATURES & BENEFITS

- Electrically operated, mechanically-held contacts for fast, positive connections
- Rated for all classes of load, 100% equipment rated, both inductive and resistive
- 160 millisecond transfer time
- Dual coil design
- Main contacts are silver plated or silver alloy to resist welding and sticking
- NEMA 3R (indoor/outdoor rated) steel enclosure is standard
- Limited 5 year warranty

# RTS Automatic Smart Transfer Switch Technical Specifications

## FUNCTIONS

All timing and sensing functions originate in the generator controller.

**Utility voltage drop-out:** <60%

**Timer to generator start:** 5 second factory set, adjustable between 2-1,500 seconds by a qualified dealer\*

**Engine warm up delay:** Five seconds

**Utility voltage pick up:** >90%

**Re-transfer time delay:** 15 seconds

**Engine cool-down timer:** 60 seconds\*\*

**Exerciser (Sync™):** 12 minutes weekly

**Exerciser (Sync™) 2.0 and 3.0:** 5 to 12 minutes (adjustable to weekly/bi-weekly/monthly) The transfer switch can be operated manually without power supplied.

\* When used in conjunction with units utilizing Sync™ controls.

\*\* Default settings may vary by model, see owner's manual for settings.

## SPECIFICATIONS

RTSK600A3	
AMPS	600
VOLTAGE	120/240, 1Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	42,000
LUG RANGE	1/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ600G3	
AMPS	600
VOLTAGE	120/208, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	42,000
LUG RANGE	1/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ600J3	
AMPS	600
VOLTAGE	120/240, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	42,000
LUG RANGE	1/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ600K3	
AMPS	600
VOLTAGE	277/480, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	42,000
LUG RANGE	1/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	353.5 (160.3)

RTSK800A3	
AMPS	800
VOLTAGE	120/240, 1Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	65,000
LUG RANGE	4/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ800G3	
AMPS	800
VOLTAGE	120/208, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	65,000
LUG RANGE	4/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ800J3	
AMPS	800
VOLTAGE	120/240, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	65,000
LUG RANGE	4/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	337.5 (153.1)

RTSZ800K3	
AMPS	800
VOLTAGE	277/480, 3Ø
LOAD TRANSITION TYPE (AUTOMATIC)	Open
ENCLOSURE TYPE	NEMA 3R
ETL RATING	cETLus
WITHSTAND RATING (AMPS)	65,000
LUG RANGE	4/0 - 500 MCM
UNIT WEIGHT - LBS (KG)	353.5 (160.3)

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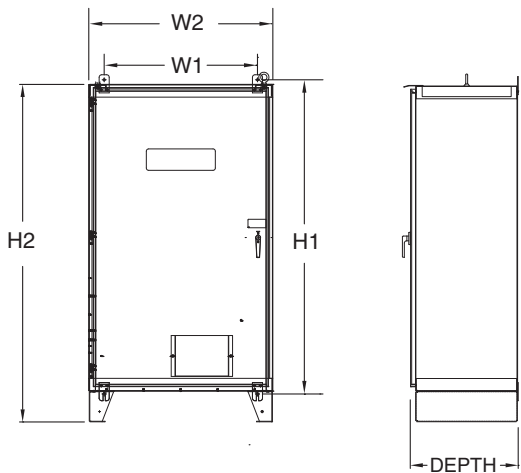
## Technical Specifications

### DIMENSIONS

RTSK600A3, RTSZ600G3, RTSZ600J3, RTSK800A3, RTSZ800G3, RTSZ800J3					
	HEIGHT		WIDTH		DEPTH
	H1	H2	W1	W2	
In.	61.4	66.0	30.0	36.0	21.0
mm	1,559.6	1,676.4	762.0	914.4	533.4

RTSZ600K3, RTSZ800K3					
	HEIGHT		WIDTH		DEPTH
	H1	H2	W1	W2	
In.	61.4	66.0	30.0	36.0	21.0
mm	1,559.7	1,676.5	763.0	914.5	533.5



\* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Honeywell Distributer for detailed installation drawings.

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