

Residential Automatic Transfer Switches

50, 100, and 200 Ampere Automatic Transfer Switches

Product Description

All of the below switches are “utility sense” type of switches and automatically transfer to the appropriate source of power when signalled from the generator. 100 and 200 ampere (A) switches are capable of ‘whole house’ power transfer in residential/small business applications. 100 and 200A switches can also be used in conjunction with a sub-panel where switching of critical loads is desired.

The 50 and 100A combination critical load panel and transfer switch models provide a clean and convenient single enclosure solution for critical load applications. The 12 or 24 circuit loadcentre incorporated into these models utilize the 3/4” width Type CH circuit breakers.



EGSX50L12R



EGSX100A and EGSX200A



EGSX100L24RA

Product Selection

Table 6. Residential Automatic Transfer Switches

Description	Catalogue Number			
	EGSX50L12R	EGSX100L24RA	EGSX100A	EGSX200A
Voltage (V)	120/240	120/240	120/240	120/240
Circuits	12 ^d	24 ^d	Whole House or Essential Loads	Whole House or Essential Loads
Amperes (A)	50	100	100	200
Poles	2	2	2	2
Frequency (Hz)	50/60	50/60	50/60	50/60
CSA Listed	Yes	Yes	Yes	Yes
Withstand Rating (AIC)	5,000	25,000 ^b	22,000 ^b	25,000 ^c
Switch Type	Electrically Held Contactor	Mechanically Held Contactor	Mechanically Held Contactor	Mechanically Held Contactor
Enclosure ^a	Type 3R (outdoor)	Type 3R (outdoor)	Type 3R (outdoor)	Type 3R (outdoor)
Depth (Inches / mm)	5 / 127	5.32 / 135.13	5.32 / 135.13	5.32/ 133.35
Width (Inches / mm)	14.25 / 361.95	14.46 / 367.28	14.46 / 367.28	14.46 / 367.28
Height (Inches / mm)	21 / 533.40	29.33 / 744.98	16.87 / 428.50	25.08 / 637.03
Weight (lbs / kg)	30.7 / 13.92	38 / 17.24	35 / 15.88	40 / 18.14
Breaker Packs Available	CHGENPAK12R -	Contains Qty 4 CHF115, Qty 1 CHF220 and qty 1 CHF240		
	CHGENPAK24R -	Contains Qty 8 CHF115, Qty 1 CHF220 and qty 1 CHF240		

^a Can be used for Indoor applications.

^b When protected by one of the following circuit breakers rated not more than 150 amperes. (Eaton/Cutler-Hammer BR, CH, FDC, CSR, CSH, BW, BWH; Siemens CED6, ED6, ED4, HED6, HED4.) Else rated 10,000 A rms at 240VAC maximum.

^c When protected by one of the following circuit breakers rated not more than 400 amperes. (Eaton/Cutler-Hammer DK, KD, KDB, HKD, JDC, KDC, LCL, LA, JDB, JD, HJD, CSR, BW, BWH, FD, FDC; Siemens FD6-A, FXD6-A, HFD6, CFD6; Square D KI, LE, LX, LXI; General Electric SF, SFL, SFP.) Else rated 10,000 A rms at 240VAC maximum.

^d Utilize the 3/4” width Type CH Circuit breakers found in the Residential Distribution Products Guide.

Residential Automatic Transfer Switches

400 Ampere Service Entrance Automatic Transfer Switches

Product Description

Our Service Entrance (SE) Rated switches combine the SE Disconnect and ATS in one convenient enclosure. They are available in two styles; Basic (EGSC line) and Advanced (EGSCA line). The basic line relies on the generator to monitor utility and generator voltages and will automatically transfer to the appropriate source of power when signalled from the generator. The Advanced line of switches are compatible with utility sense and engine start type generators, and do not require a transfer signal from the generator. Both types feature LED position indicators and source availability indicators.

The Advanced units have the load management capabilities of the RTC-100 control board. (separate Current Transformer's (CT's) needs to be purchased for this functionality, quantity 1 PN CS400) Two sets of contacts are available to control large connected loads based on available generator capacity.

Standards and Certifications

- CSA approved.

Product Specifications

- 35,000 Symmetrical Amperes withstand rating
 - 120/240 VAC 60Hz 2-pole
 - -20°C to +40°C (-40°F to +104°F)
- Operating temperature when used with optional heater kit HEATKIT400
- -40°C to +40°C (-40°F to +104°F)



EGSCA400ASE

Description	Catalogue Number	
	EGSC400ASE	EGSCA400ASE
Voltage (V)	120/240	120/240
Amperes (A)	400	400
Poles	2	2
Frequency (Hz)	50/60	50/60
CSA Listed	Yes	Yes
Withstand Rating (AIC)	35,000	35,000 ^b
Switch Type	Mechanically Held Contactor	Mechanically Held Contactor
Enclosure ^a	Type 3R (outdoor)	Type 3R (outdoor)
Depth (Inches / mm)	11.14 / 283	11.14 / 283
Width (Inches / mm)	26.5 / 673	26.5 / 673
Height (Inches / mm)	45.11 / 1146	45.11 / 1146
Weight (lbs / kg)	156 / 71	156 / 71
Options Available	HEATKIT400 Heater and thermostat kit	HEATKIT400 Heater and thermostat kit
		CS400 Current Sensors to use Load management

Can be used for Indoor applications.