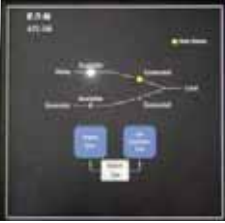


Description	ATC-100
	
<b>System Application Voltage</b>	120/240V Single Phase
<b>Voltage Specifications</b>	
Voltage Measurements of:	Source 1 and 2
Voltage Measurement Range	120 – 240 Vac
<b>Operating Power</b>	95 Vac – 145 Vac
<b>Frequency Specifications</b>	
Frequency Measurements of:	Source 2
Frequency Measurement Range	50 – 60 Hz
<b>Environmental Specifications</b>	
Operating Temperature Range	-20 to +70°C
Storage Temperature Range	-30 to +85°C
<b>Operating Humidity</b> (Non-condensing)	0 to 95% Relative Humidity (Non-condensing)
<b>Operating Environment</b>	Resistant to Ammonia, Methane, Nitrogen, Hydrogen, and Hydrocarbons
<b>Front Panel Indication</b>	
Mimic Diagram with LED Indication	Unit Status. Source 1 and 2 — Available and Connected (5 Total)
Main Display	n/a
Display Language	n/a
<b>Communications Capable</b>	n/a
<b>Enclosure Compatibility</b>	NEMA 1 and 3R
<b>Operating Environmental Range</b>	
	Operation -20°C to +70°C, Storage -30°C to +85°C, Humidity 0% to 95% Relative (Non-condensing)
<b>Programming Selections</b>	
Time Delay Normal to Emergency	Selectable 2 or 15 Seconds
Time Delay Emergency to Normal	5 Minutes — Fixed
Time Delay Engine Cooldown	1 Minute — Fixed
Time Delay Engine Start	3 Seconds — Fixed
Time Delay Neutral	n/a
Time Delay Source 2 Fail	n/a
Time Delay Voltage Unbalance	n/a
Voltage Unbalance 3-Phase	n/a
% of Unbalanced Voltage Dropout	n/a
Phase Reversal 3-Phase	n/a
In-Phase	n/a
Load Sequencing	n/a
Pre-Transfer Signal	n/a
Plant Exerciser	Selectable Day, Off, 7, 14, 28 Day Interval, 15 Minutes Run Time, No Load
Preferred Source Selection	n/a
Commitment to Transfer in TDNE	n/a
Re-Transfer Mode	n/a
Auto Daylight Savings Time Adjustment	n/a
System Selection	Utility/Generator or Dual Utility

**Note:** Features are order specific. Not all features are supplied as standard.

Eaton's electrical business is a global leader in electrical control, power distribution, and industrial automation products and services. Through advanced product development, world-class manufacturing methods, and global engineering services and support, Eaton's electrical business provides customer-driven solutions under brand names such as Cutler-Hammer®, Powerware®, Durant®, Heinemann®, Holec® and MEM®, which globally serve the changing needs of the industrial, utility, light commercial, residential, and OEM markets. For more information, visit [www.eatonelectrical.ca](http://www.eatonelectrical.ca).

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Printed in Canada  
Publication No. BR01600001K  
March 2007

EATON

Cutler-Hammer

## Residential Transfer Switches

Product Focus

Automatic  
Transfer Switches

EATON | Cutler-Hammer

# Wall-Mount Transfer Switches Introduction



## A History of Great Service, Reliability and Support

For over a century, Eaton has focused on providing quality power-centric products and services. In today's business environment, customers like you are driving our transformation from a leading global electrical components provider into a customer-centric solutions partner who understands your business. We do this through in-depth collaboration with customers and subject matter experts studying the issues inherent to the electrical power distribution and control systems. The application section provides you with a broad look at the solution sets that are available or in development in order to help address critical electrical system problems affecting most businesses through an integrated solutions design centre.

For emergency service, startup and application support, call Eaton - Electrical Services & Systems at **1-800-461-9166**.

## The Best in Reliability Offers The Best in Transfer Switches

As a premier industrial manufacturer, Eaton's electrical business is one of the world's leading suppliers of electrical control products and power distribution equipment with yearly sales of over \$2.5 billion. Eaton's electrical products include a complete line of low and medium voltage assemblies from substations, switchgear and panelboards to loadcentres, transformers and safety switches. These products are used wherever there is a demand for electrical power in residences, high-rise apartment and office buildings, commercial sites, hospitals and factories.

## Automatic Transfer Switches

Eaton is one of the pioneering electrical manufacturers and has been focused on providing reliable backup power systems with transfer switch equipment for over 75 years. The automatic transfer switches provide a safe and reliable means to automatically start your generator, and transfer loads to a standby power source when normal power is unavailable. Eaton offers three reliable and sophisticated transfer switch options for you to choose from — Contactor-Based, Moulded Case and Circuit Breaker style switches.

## 24-Hour Automatic Protection

Power outages due to bad weather or utility failure have grown increasingly costly and more disruptive to businesses and homeowners. A backup power system will keep your computers, security system, heating or refrigeration system, cash registers, home health care equipment, or any system that uses electric power, energized and operational.

Along with your generator, a Cutler-Hammer® Automatic Transfer Switch from Eaton will provide a reliable and safe back-up power system for your business or home.

## Security

- Prevent loss of power during a utility power failure.
- Prevent personal injury and generator damage.
- Prevent the loss of computer data from extended outages.
- Prevent property loss due to freezing or loss of refrigeration.
- Prevent accidental connection of the generator to the utility.

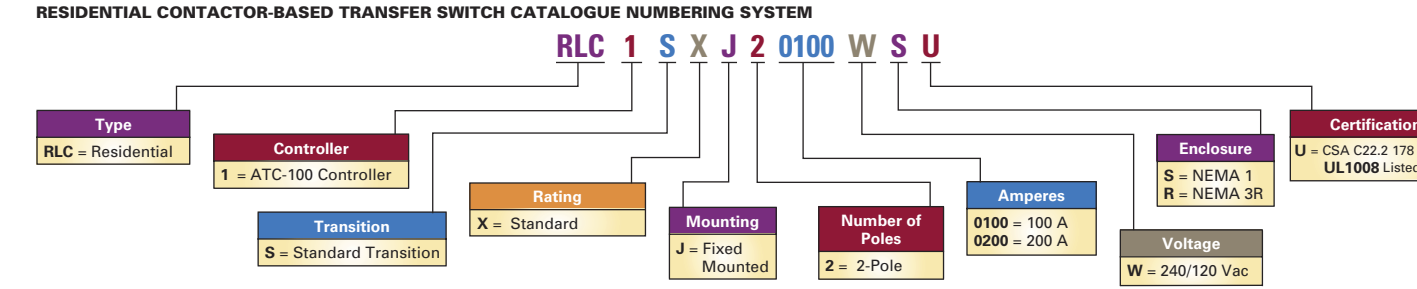
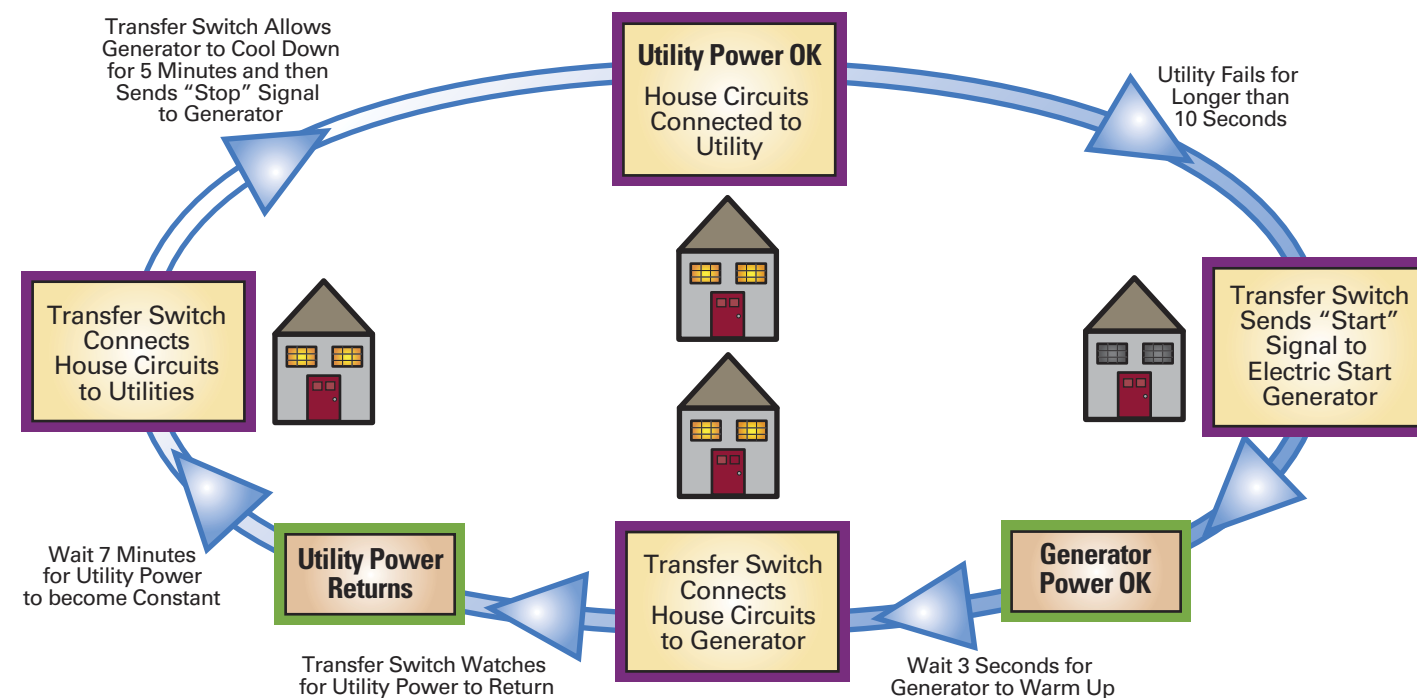
# Wall-Mount Transfer Switches Residential Contactor-Based



## Residential Contactor-Based Transfer Switch Standard Features

- Proven, highly reliable microprocessor-based logic provides full automatic operation.
- 100 and 200 ampere ratings for use on 120/240 Vac 60 Hz single-phase systems only.
- Fixed time delays provide simple operation — without user programming.
- Four separate time delays:
  - Engine start: 3 seconds
  - Normal to emergency: selectable 2 or 15 seconds
  - Emergency to normal: 5 minutes
  - Engine cooldown: 1 minute fixed
- Automatic Plant Exerciser with selectable day, off, 7, 14, 28, 15 minutes run time, day, no load.
- Indoor/outdoor NEMA® 1 and 3R enclosures.
- Delivered from the factory completely assembled, prewired and tested.
- Only four connections for the installer to complete: utility power, generator power, load circuits and engine start.
- Hinged door with lockable cover.
- UL® 1008 listed.
- CSA C22.2 - 178 listed.

## RESIDENTIAL CONTACTOR-BASED TRANSFER SWITCHES SEQUENCE OF OPERATION



**RESIDENTIAL CONTACTOR-BASED TRANSFER SWITCH DIMENSIONS IN INCHES (MM), WEIGHTS IN POUNDS (KG), POWER CABLE CONNECTIONS AND WITHSTAND AND CLOSE-ON RATINGS**

Dimensions	Switch Rating Amperes	
	100	200
A	5.35 (135.9)	5.35 (135.9)
B	14.46 (367.3)	14.46 (367.3)
C	29.14 (740.2)	29.14 (740.2)
Weights	26 (11.8)	38 (17.3)
Wire Size Range (AWG)	(1) #14 to 2/0	(1) #4 to 300
Withstand Rating	22,000	25,000