



# Built With Years of Experience Powered With Innovation Delivered With Reliability 

## A History of Experience, Innovation and Reliability

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 loadcenters, 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.

## Built With Experience

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.
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.

## Powered With Innovation

Eaton continues to meet changing industry needs by providing a broad range of automatic transfer switches. These switches may be grouped into a basic, enhanced or premium set of features that will meet your application requirements. Eaton has used industry-leading breakerbased designs for years and now has a line of contactorbased designs.
These designs can be matched to a family of automatic transfer switch controllers that will meet your specific needs. Identify your application, define your needs, and select the solution from Eaton.

## Delivered With Reliability

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. The demands for reliability have increased. Eaton meets those expectations by the stringent UL®1008 automatic transfer switches with a world-class product delivery system.

Eaton will provide the individual transfer switch built to exacting standards or supply the same transfer switch in an integrated lineup with other Eaton gear. For startup service, application support, and emergency support, call Eaton Electrical Services \& Systems at 1-800-498-2678.


ContactorBased Transfer Switches Switch Type Overview and Standards


## Solutions Overview

Eaton's Cutler-Hammer automatic transfer switches are designed to provide you with a full offering of transfer switches to solve your industry and application needs. Eaton offers the industry's most complete line of contactor-based, breaker-based, and Magnumbased transfer switches.
This wide range of selections enables you to identify your application needs and the benefits you expect to realize, and then choose the solution best for you. The corner stone of all of these offerings is the proven design experience and reliability built into all Cutler-Hammer transfer switches.

## Basic Solution

The Basic Solution offers a transfer switch that meets the most basic and cost-effective requirement needs for an automatic, manual or non-automatic transfer switch.
This solution set allows you to choose from either a contactor-based or a breakerbased design and match that power-switching device with our basic transfer switch controller.


## Enhanced Solution

The Enhanced Solution meets all of the basic automatic transfer switch needs. In addition to meeting the most basic transfer switch requirement, the Enhanced Solution allows for optimal control and improved flexibility. This solution set allows you to choose from either a contactorbased or breaker-based design.

## Premium Solution

The Premium Solution is offered for those applications requiring continuity of power during the transfer and routine test. This solution set offers both contactor-based and breaker-based designs with drawout capability.

## Switch Types Available

- Open Transition
- Closed Transition
- Delayed Transition
- Bypass Isolation

TRANSFER SWITCH STANDARDS

| UL 991 | UL Standards for Safety Tests for Safety-Related <br> Controls Employing Solid-State Devices |
| :--- | :--- |
| UL 1008 | Dielectric Test |
| NEMA® ICS 109.21 | Impulse Withstand Test |
| IEEE® 472 (ANSI C37.90A) | Ringing Wave Immunity/Voltage Surge Test |
| EN55022 | (CISPR11): Conducted and Radiated Emissions |
| EN61000-4-2 Class B | Level 4 ESD Immunity Test |
| EN61000-4-3 | (ENV50140) Radiated RF, Electromagnetic |
| Field Immunity Test |  |
| EN61000-4-4 | Electrical Fast Transient/Burst Immunity Test |
| EN61000-4-5 | IEEE C62.41: Surge Immunity Test |
| EN61000-4-6 | (ENV50141) Conducted Immunity Test |
| EN61000-4-11 | Voltage Dips and Interruption Immunity |
| FCC Part 15 | Conducted/Radiated Emissions (Class A) |
| CISPR 11 | Conducted/Radiated Emissions (Class A) |
| IEC 1000-2 | Electrostatic Discharge Test |
| IEC 1000-3 | Radiated Susceptibility Tests |
| IEC 1000-4 | Fast Transient Tests |
| IEC 1000-5 | Surge Withstand Tests |
| CSA® Conformance | C22.2 No. 178-1978 (Reaffirmed 1992) |
| UL 869A | Reference Std for Service Equipment |
| UL 50/508 | Enclosures |
| NEMA ICS 1 | General Standards for Industrial Control Systems |
| NEMA ICS 2 | Standards for Industrial Control Devices, |
| Controllers and Assemblies |  |
| NEMA ICS 6 | Enclosures for Industrial Controls and Systems |
| NEMA ICS 10-1993 | AC Automatic Transfer Switches |
| ANSI C33.76 | Enclosures |
| NEC® 517, 700, 701 and 702 | National Electrical Code® |
| NFPA® 70 | National Electrical Code |
| NFPA 99 | Health Care Facilities |
| NFPA 101 | Life Safety Code |
| NFPA 110 | Emergency and Standby Power Systems |
| EGSA 100S | Standard for Transfer Switches |
| CSA C22.2 No. 178-1978 | Canadian Standards Association |

## Make the Right Decision:

## - Identify Your Application

- Define Your Needs
- Determine Your Right Solution
- Select Eaton

ATS SOLUTION GUIDE: Highlighting Contactor-Based Designs




Contactor-
Based Transfer Switches
Switch Type Open Transition



UL 1008 WITHSTAND AND CLOSE-ON RATINGS (KA)

| UL 1008 Ampere Rating | 480 Volts |  | $\mathbf{6 0 0}$ Volts |
| :--- | :--- | :--- | :--- | :--- |

## Product Description

The automatic open transition contactor-based transfer switch is the most basic design that will provide a fully functioning automatic transfer switch. An automatic open transition transfer switch may be used for those applications where emergency backup power is required but a momentary loss of power is acceptable on the retransfer from emergency to normal.

## Electrical Ratings

- 40-1200 amperes
- Up to 600 volts
- 2-, 3- or 4-pole
- NEMA 1,3R
- $100 \%$ rated


## Commercial Design

Highlights

- UL 1008 front access
- High withstand and closing ratings
- Compact design


## dIMENSIONS IN INCHES (MM)

| Ampere <br> Rating | Height | Width | Depth | Weight in Ibs. (kg) |
| :--- | :--- | :--- | :--- | :--- |
| $40-100$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $156(71)$ |
| $150-200$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $164(74)$ |
| $225-400$ | $48.74(1238.0)$ | $25.25(641.4)$ | $13.84(339.0)$ | $260(118)$ |
| $600-1200$ | $79.35(2015.5)$ | $25.25(641.4)$ | $22.46(570.5)$ | $600(272)$ © |

(1) Subtract 20 lbs . for 2-pole and add 50 lbs . for 4-pole.


ContactorBased Transfer

Switch Type Closed Transition

## Switches




UL 1008 WITHSTAND AND CLOSE-ON RATINGS (KA)

| UL 1008 Ampere Rating | 480 Volts |  | $\mathbf{6 0 0}$ Volts |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Any <br> Breaker | Specific <br> Breaker | Any <br> Breaker | Specific <br> Breaker |
| $\mathbf{1 0 0}$ | 10,000 | 30,000 | 10,000 | 22,000 |
| 200 | 10,000 | 30,000 | 10,000 | 22,000 |
| $\mathbf{2 6 0}$ | 35,000 | 50,000 | 35,000 | 42,000 |
| 320 | 35,000 | 50,000 | 35,000 | 42,000 |
| $\mathbf{4 0 0}$ | 35,000 | 50,000 | 35,000 | 42,000 |
| $\mathbf{6 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{8 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{1 0 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{1 2 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |

## Product Description

The automatic closed transition contactor-based transfer switch is the most basic design that will connect both sources before the transfer occurs. An automatic closed transition transfer switch may be used for those applications where emergency backup power is required but a momentary loss of power is not acceptable on the retransfer from emergency to normal. Closed transition permits periodic testing of the emergency source without interrupting power to the loads.

## Electrical Ratings

- 40-1200 amperes
- Up to 600 volts
- 2-, 3- or 4-pole
- NEMA 1,3R, 12
- 100\% rated

Commercial Design
Highlights

- UL 1008 3-position contactors
- High withstand and closing ratings
- Compact design


## dIMENSIONS IN INCHES (MM)

| Ampere <br> Rating | Height | Width | Depth | Weight in Ibs. (kg) |
| :--- | :--- | :--- | :--- | :--- |
| $40-100$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $156(71)$ |
| $150-200$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $164(74)$ |
| $225-400$ | $48.74(1238.0)$ | $25.25(641.4)$ | $13.84(339.0)$ | $260(118)$ |
| $600-1200$ | $79.35(2015.5)$ | $25.25(641.4)$ | $22.46(570.5)$ | $600(272) 1$ |

(1) Subtract 20 lbs. for 2-pole and add 50 lbs. for 4 -pole.


Contactor-
Based Transfer Switches
Switch Type Delayed Transition
3. Delayed Transition ATS with ATC-300 Controller


## Product Description

The automatic delayed transition contactor-based transfer switch is used in applications where it is advantageous to have a time delay in the neutral position. This adjustable delay allows motor and transformer loads to decay thus allowing normal inrush currents with the transfer.

## Electrical Ratings

- 40-1200 amperes
- Up to 600 volts
- 2-, 3- or 4-pole
- NEMA 1,3R
- $100 \%$ rated


## Commercial Design

 Highlights- UL 1008 3-position contactor
- High withstand and closing ratings
- Compact design

UL 1008 WITHSTAND AND CLOSE-ON RATINGS (KA)

| UL 1008 Ampere Rating | 480 Volts |  | $\mathbf{6 0 0}$ Volts |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Any <br> Breaker | Specific <br> Breaker | Any <br> Breaker | Specific <br> Breaker |
| $\mathbf{1 0 0}$ | 10,000 | 30,000 | 10,000 | 22,000 |
| 200 | 10,000 | 30,000 | 10,000 | 22,000 |
| $\mathbf{2 6 0}$ | 35,000 | 50,000 | 35,000 | 42,000 |
| 320 | 35,000 | 50,000 | 35,000 | 42,000 |
| 400 | 35,000 | 50,000 | 35,000 | 42,000 |
| $\mathbf{6 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{8 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{1 0 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |
| $\mathbf{1 2 0 0}$ | 50,000 | 65,000 | 50,000 | 65,000 |

## Features

Standard Features

- Voltage and frequency sensing
- Multiple field programmable time delays
- Switch position indication
- Source availability indication
- Source 1 and 2 auxiliary contacts
- Mimic diagram
- Programmable plant exerciser
- System test pushbutton
- Load shed from emergency

Optional Features

- 2- or 4-position test switch
- Multi-meter options available
- Selectable automatic or non-automatic operation
- Space heaters
- Surge suppression

DIMENSIONS IN INCHES (MM)

| Ampere <br> Rating | Height | Width | Depth | Weight in lbs. (kg) |
| :--- | :--- | :--- | :--- | :--- |
| $40-100$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $156(71)$ |
| $150-200$ | $38.68(982.4)$ | $18.31(465.1)$ | $13.34(339.0)$ | $164(74)$ |
| $225-400$ | $48.74(1238.0)$ | $25.25(641.4)$ | $13.84(339.0)$ | $260(118)$ |
| $600-1200$ | $79.35(2015.5)$ | $25.25(641.4)$ | $22.46(570.5)$ | $600(272) 1$ |

(1) Subtract 20 lbs . for 2-pole and add 50 lbs . for 4-pole.


ContactorBased Transfer
Switches



UL 1008 WITHSTAND AND CLOSE-ON RATINGS (KA)

| UL 1008 Ampere Rating | 480 Volts |  | 600 Volts |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Any <br> Breaker | Specific <br> Breaker | Any <br> Breaker | Specific <br> Breaker |
| $\mathbf{1 0 0}$ | 10,000 | 30,000 | 10,000 | 22,000 |
| 200 | 10,000 | 30,000 | 10,000 | 22,000 |
| 260 | 35,000 | 50,000 | 35,000 | 42,000 |
| 320 | 35,000 | 50,000 | 35,000 | 42,000 |
| 400 | 35,000 | 50,000 | 35,000 | 42,000 |
| 600 | 50,000 | 65,000 | 1 | 1 |
| $\mathbf{8 0 0}$ | 50,000 | 65,000 | $\mathbf{1}$ | $\mathbf{1}$ |
| $\mathbf{1 0 0 0}$ | 50,000 | 65,000 | $\mathbf{1}$ | $\mathbf{1}$ |
| 1200 | 50,000 | 65,000 | $\mathbf{1}$ | $\mathbf{1}$ |

Consult Factory

## Product Description

A Bypass Isolation Transfer Switch may be used to provide emergency power to life safety and other critical loads where maintenance of the main transfer switch, without interruption of power to the load, is either desirable or required

## Electrical Ratings

- 100-1200 amperes
- Up to 600 volts
- 2-, 3- or 4-pole
- NEMA 1 and 3R enclosures
- $100 \%$ rated


## Commercial Design

Highlights

- UL 1008
- Easy access
- Top/bottom entry
- Isolated entry exit area
- Improved safety
- Compartment barriers
- Single motion rack with door closed
- Extended battery backup
- Dual drawout ATS
- Installation flexibility
- Field Entry/Exit modification for Top/Bottom/Both
- Interchangeable contactors


## Features

- Reliable microprocessor logic
- Designed to safely withstand fault currents
- Eliminates need for complex interlocks
- Cutler-Hammer drawout cassette design
- No service interruption when bypassing to the same source
- Drawout capabilities on both ATS and bypass portions
- Ability to test power switching elements during drawout process
- Power switching devices completely interchangeable between ATS and bypass portions
- Capability to have a dual ATS - controller will work with the ATS and bypass contactor
- Open or closed transition

DIMENSIONS IN INCHES (MM)

| Ampere <br> Rating | Height | Width | Depth | Weight in lbs. (kg) |
| :--- | :--- | :--- | :--- | :--- |
| $40-200$ | $90.00(2286.0)$ | $46.00(1168.4)$ | $32.00(813.0)$ | $1800(817)$ |
| $300-400$ | $90.00(2286.0)$ | $46.00(1168.4)$ | $32.00(813.0)$ | $1800(817)$ |
| $500-600$ | $90.00(2286.0)$ | $46.00(1168.4)$ | $32.00(813.0)$ | $1800(817)$ |
| $600-1200$ | $90.00(2286.0)$ | $46.00(1168.4)$ | $32.00(813.0)$ | $1850(840)$ |

# ContactorBased Transfer Switches 

Controller
Features
5. Contactor-Based Design ATS Showing Optional Controllers Available


## Product Description

The automatic transfer switch controller is a key component within the automatic transfer switch. It provides the intelligence to sense the proper conditions to initiate a transfer and a retransfer of the contactor. Eaton's Cutler-Hammer automatic transfer switches come with the design flexibility of being applied with one of three controllers. All three controllers provide the basic functions needed to perform an automatic transfer.

## ATC-100 Controller

## General Description

The ATC-100 controller was designed as a multi-function microprocessor open transition controller with simplified customer settings. The front panel interface displays source availability and connection status as well as convenient engine start and test buttons. Controller parameters are set via jumpers on the printed circuit board.

## Design Highlights

- Mimic diagram with source available and connected LED indications
- Field selectable fixed time delays
- Permits system testing via a front screen test pushbutton
- Complies with UL 1008/ CSA 22.2-178
- Generator Test Selectable OFF, 7, 14, 28-day interval


## ATC-300 Controller

## General Description

From installation to programming to usage, the ATC-300 open transition controller was designed with operational simplicity in mind. The userfriendly front panel interface simplifies routine operation, programming, data presentation and setting adjustments. An LCD-based display provides the flexibility of a back-lit display for enhanced visibility.

## Design Highlights

- LCD-based display for programming, system diagnostic and Help Message display
- Mimic diagram with source available and connected LED indications
- Stores customer/factory established parameters in nonvolatile memory
- Field programmable time delays
- Displays real time and historical information with a time-stamped history log
- Permits system testing via a front screen test pushbutton
- Programmable plant exerciser - OFF, daily, 7, 14, 28-day interval programmable run times
- Complies with UL 1008/ CSA 22.2-178


## ATC-800 Controller

## General Description

The ATC-800 closed transition controller was designed with operational simplicity in mind. The user-friendly front panel interface simplifies routine operation, programming, data presentation and setting adjustments. An LCD-based display provides the flexibility of a back-lit display for enhanced visibility.

## Design Highlights

- LCD-based display for programming, system diagnostic and Help Message display
- Mimic diagram with source available and connected LED indications
- Stores customer/factory established parameters in nonvolatile memory
- Field programmable time delays
- Displays real time and historical information with a time-stamped history log
- Permits system testing via a front screen test pushbutton
- Programmable plant exerciser - OFF, daily, 7, 14, 28-day interval selectable run times
- Communicate via Modbus communication protocol
- Complies with UL 1008/ CSA 22.2-178
- Load monitoring, delayed, in-phase and closed transition


## AUTOMATIC TRANSFER SWITCH CONTROLLERS

| Description | ATC-100 | ATC-300 | ATC-800 |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| System Application Voltage | 120/240 V, 208 V Single-Phase | Up to 600 Vac | Up to 600 Vac |
| Voltage Specifications |  |  |  |
| Voltage Measurements of: | Source 1 and 2 | Source 1 and 2 VAB, VBC and VCA | Source 1, 2 and Load VAB, VBC and VCA |
| Voltage Measurement Range | 120-480 Vac | $0-790 \mathrm{Vac}$ rms | $0-700 \mathrm{Vac}$ rms |
| Operating Power | $95 \mathrm{Vac}-145 \mathrm{Vac}$ | 65 Vac - 145 Vac | 65 Vac - 145 Vac |
| Frequency Specifications |  |  |  |
| Frequency Measurements of: | Source 2 | Source 1 and 2 | Source 1 and 2 |
| Frequency Measurement Range | $50-60 \mathrm{~Hz}$ | $40-70 \mathrm{~Hz}$ | $40-80 \mathrm{~Hz}$ |
| Environmental Specifications |  |  |  |
| Operating Temperature Range | -20 to $+70^{\circ} \mathrm{C}$ | -20 to $+70^{\circ} \mathrm{C}$ | -20 to $+70^{\circ} \mathrm{C}$ |
| Storage Temperature Range | -30 to $+85^{\circ} \mathrm{C}$ | -30 to $+85^{\circ} \mathrm{C}$ | -30 to $+85^{\circ} \mathrm{C}$ |
| Operating Humidity (Non-condensing) | 0 to $95 \%$ Relative Humidity (Non-condensing) | 0 to $95 \%$ Relative Humidity (Non-condensing) | 0 to $90 \%$ Relative Humidity (Non-condensing) |
| Operating Environment | Resistant to Ammonia, Methane, Nitrogen, Hydrogen, and Hydrocarbons | Resistant to Ammonia, Methane, Nitrogen, Hydrogen, and Hydrocarbons | Resistant to Ammonia, Methane, Nitrogen, Hydrogen, and Hydrocarbons |
| Front Panel Indication |  |  |  |
| Mimic Diagram with LED Indication | Unit Status. Source 1 and 2 Available and Connected (5 Total) | Unit Status. Source 1 and 2 Available and Connected (5 Total) | Automatic, Test and Program Mode. Source 1 and 2 Available, Connected and Preferred. Load Energized (10 Total) |
| Main Display | N/A | LCD-Based Display | LED Display |
| Display Language | N/A | English, French | English |
| Communications Capable | N/A | N/A | PONI/INCOM |
| Enclosure Compatibility | NEMA 1 and 3R | NEMA 1, 12 and 3R, UV Resistant Faceplate | NEMA 1, 12, 3R and 4X UV Resistant Faceplate |
| Programming Selections |  |  |  |
| Time Delay Normal to Emergency | Selectable 2 or 15 Seconds | 0-1800 Seconds | $0-1800$ Seconds |
| Time Delay Emergency to Normal | 5 Minutes - Fixed | 0-1800 Seconds | $0-1800$ Seconds |
| Time Delay Engine Cooldown | 1 Minute - Fixed | 0-1800 Seconds | $0-1800$ Seconds |
| Time Delay Engine Start | 3 Seconds - Fixed | 0-120 Seconds | 0-120 Seconds |
| Time Delay Neutral | N/A | 0-120 Seconds | $0-120$ Seconds or Based on Load Voltage Decay of 2\% $30 \%$ of Nominal |
| Time Delay Source 2 Fail | N/A | 0-6 Seconds | $0-6$ Seconds |
| Time Delay Voltage Unbalance | N/A | 10-30 Seconds | N/A |
| Voltage Unbalance 3-Phase | N/A | 0 or 1 (1 = Enabled) | - |
| \% of Unbalanced Voltage Dropout | N/A | $\begin{aligned} & 5 \%-20 \%(\mathrm{DO}) \\ & \text { Dropout }-2 \%-3 \% \text { (PU) } \end{aligned}$ | N/A |
| Phase Reversal 3-Phase | N/A | OFF, ABC, CBA | N/A |
| In-Phase | N/A | 0 or 1 (1 = Enabled) | N/A |
| Load Sequencing | N/A | N/A | Up to 10 Devices (via Sub-network) |
| Pre-Transfer Signal | N/A | 1-120 Seconds (Form C Contact) | 0-120 Seconds <br> Up to 10 Devices (via Sub-network) |
| Plant Exerciser | Selectable Day, Off, 7, 14, 28 Day Interval, 15 Minutes Run Time, No Load | Selectable - Off, Daily or 7, 14, 28 Day Intervals, 0-600 Minutes, Load or No Load | Selectable - Disabled or 7 Day Interval, 0 - 600 Minutes, Load or No Load |
| Preferred Source Selection | N/A | N/A | Source 1 or 2 or None |
| Commitment to Transfer in TDNE | N/A | N/A | Enabled or Disabled |
| Re-transfer Mode | N/A | N/A | Automatic or Manual |
| Auto Daylight Savings Time Adjustment | N/A | 0 or 1 (1 = Enabled) | - |
| System Selection | Utility/Generator or Dual Utility | Utility/Generator or Dual Utility | Utility/Generator or Dual Utility or Dual Generator |
| Closed Transition Frequency Difference | N/A | N/A | $0.0-3.0 \mathrm{~Hz}$ |
| Closed Transition Voltage Difference | N/A | N/A | 1-5\% |

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

## Contactor-

6. Typical Contactor-Based Design Components
Based Transfer Switches

Ordering
Information and Basic Components


CONTACTOR-BASED AUTOMATIC TRANSFER SWITCH CATALOG NUMBERING SYSTEM


## Automatic Transfer

 Controller(ATC-100)- Monitors power sources
- Initiates transfer adjustable settings for time delays via jumpers
- Optional ATC-300 controller
- Space heater (optional)
- Transfer mechanism -2-position mechanism, motor operated

Contactor-
Based Transfer Switches
Integrated Solutions

## Integrated Solutions

Minimize initial equipment costs, reduce installation time, and increase system reliability. These are goals of all involved in placing electrical distribution equipment in service - from the design engineer, to the electrical contractor, and especially with the end user of the equipment.
Eaton believes the transfer switch equipment is an integral part of the distribution equipment. This fundamental belief is why Eaton offers various types of transfer switches for the design engineer, electrical contractor and the user to choose from. Eaton offers Contactor-Based, Molded Case and Circuit Breaker style switches.
All Eaton transfer switches are designed to meet the requirements set forth by UL 1008, however, all transfer switches are not created equal. You can be assured of safe and reliable operation from all types of transfer switches that Eaton offers.
7. Automatic Transfer Switch Integrated Into a Switchboard Lineup
8. Location of Satellite Facilities


Eaton Corporation is a diversified industrial manufacturer ranked among the largest Fortune 500 companies. The electrical group is Eaton's largest division and is a global leader in electrical control, power distribution, power quality, automation, and monitoring products and services. Eaton's electrical products include brands such as Cutler-Hammer®, MGE Office Protection Systems, Powerware ${ }^{\circledR}$, Holec ${ }^{\circledR}$ and MEM ${ }^{\circledR}$. Eaton provides PowerChain Management ${ }^{\circledR}$ solutions to serve the needs of the industrial, institutional, IT, data center, mission critical, utility, residential and OEM markets worldwide.

PowerChain Management solutions help enterprises achieve sustainable and competitive advantages through proactive management of the power system as a strategic, integrated asset throughout its life cycle. With Eaton's distribution, generation and power quality equipment; full-scale engineering services; and information management systems, the power system is positioned to deliver powerful results: greater reliability, operating cost efficiencies, effective use of capital, enhanced safety and risk mitigation.

## Eaton Corporation

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PowerChain Management ${ }^{0}$

