

# Cutler-Hammer General Duty Double Throw Safety Switches

## THE STANDARD

In Residential, Agricultural, and Light Commercial Applications



Cutler-Hammer General Duty Double Throw Safety Switches are commonly applied in emergency power or generator applications to reduce or eliminate the costly impact of power loss from the typical source.

A standby generator connected to a residential wiring system must be installed according to the National Electrical Code. A double throw switch normal utility lines so general power loss from the typical source. A standby generator connected to a residential wiring system must be installed according to the National Electrical Code. A double throw switch normal utility lines so general power loss from the typical source. A standby generator connected to a residential wiring system must be installed according to the National Electrical Code. A double throw switch normal utility lines so general power loss from the typical source.

### RATINGS

30 - 400 amperes;  
240V AC, 250V DC.

### MOLDED SWITCHING BASES

Glass filled polyester.

### CURRENT CARRYING PARTS

All plated copper.

### LUGS

Front removable, standard aluminum bodied mechanical lugs are suitable for Al/Cu conductors (60° or 75° C). Aluminum bodied ground lug is standard.

### STANDARDS

UL Listed, File No. 5239.  
Meets UL 98 for switches, UL 50 for enclosures.  
Meets 1999 NEC wire bending space, Table 373-6 (b).

### CONFIGURATIONS

Two-pole, non-fusible.  
Two-pole, three-wire, non-fusible, factory-installed neutral.

### SERVICE ENTRANCE

Suitable as service entrance equipment with factory-installed neutral or installation of a ground lug or neutral kit.

### MECHANISM

Double break visible rotary blades, quick-make, quick-break operation.

### SHORT CIRCUIT RATING

All general duty double throw switches are non-fused, rated at 100 kA rms symmetrical at 240V when protected by Class R or J fuses (30 - 200A), R, T, or J Fuses (400A), 10 kA rms symmetrical at 240V when protected by any other overcurrent protective device.

### LOCKING

Door hasps may be locked. The handle can be locked OFF with a 3/8" shank lock.

### DOOR INTERLOCKS

Switch cannot be turned ON with door open. The door cannot be opened with the switch ON.

### NAMEPLATE

High visibility, embossed metal nameplates.

### KNOCKOUTS

30-100A: Tangential on bottom endwall, concentric on sides and back.  
200A: Concentric.

### ENCLOSURE

Type 3R Rainproof.  
30-100A: Three-point mounting.  
200-400A: Four-point mounting.

CATALOG NUMBERS	
Amperes Main and Standby	Type 3R Rainproof Enclosure Catalog Number

Non-Fusible, 2-Pole, 240V AC - 250V DC

30	DT221URKPS
60	DT222URKPS
100	DT223URKPS
200	DT224URKPS
400	DT225URKPS

### Neutral Kits

30-100	DT1100NK
200	DT2000NK
400	DT4000NK

Field-installable neutral kit (available for product without a factory-installed neutral).

### Electrical Interlock Kits

1 NO/1 NC	DS200EK1
2 NO/2 NC	DS200EK2

1 NO / 1 NC or 2 NO / 2 NC kits available for either switch position.

### Control Pole Kit

30-200	DS16CP
--------	--------

1 NO provides late-make, early-break operation directly connected to the power pole operating shaft. Kits available for either switch position.

### Copper Body Lug Kits

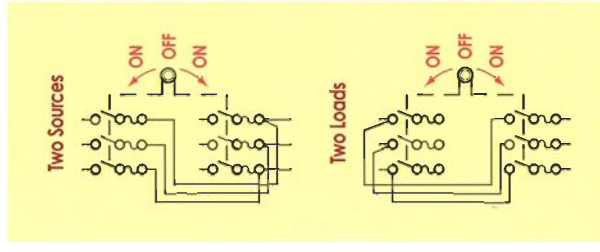
30	DS16CL
60	DS26CL
100	DS36CL

Non-Fusible, 2-Pole, 3-Wire, 240V AC - 250V DC, Factory-Installed Neutral

30	DT221URK-NPS
60	DT222URK-NPS
100	DT223URK-NPS
200	DT224URK-NPS
400	DT225URK-NPS

### OPERATION

Double throw switches are designed to manually transfer a load from one power source to another; or they may be used to connect a single source of power to either one of two different loads.



The handle operating mechanism actuates either the upper or lower switch. When the handle is in the center position, the switch is OFF. The door is interlocked to prevent opening when the switch is in either of the ON positions.

Copyright Cutler-Hammer Inc., 1999. All Rights Reserved