

Fusible Switch Replacement Guide

For CEB, GTE SYLVANIA, COMMANDER,
WESTINGHOUSE, and CUTLER-HAMMER
PANELS

1974 - Present



Cutler-Hammer

EAT•N



INTRODUCTION

This booklet is intended for Cutler-Hammer sales representatives and distributors to make the process of selecting replacement fusible switches for existing distribution panels quick and simple.

The timeline given below in Figure 1 shows a brief overview of the panels Cutler-Hammer currently supplies connector kits for, and displays the time period in which they were manufactured. Using this timeline to determine when the panel was manufactured, it simply becomes a matter of locating the appropriate connector kit for the switch rating using the index. A photograph of each connector kit is provided for a comparison of the hardware involved.

To replace an old fusible switch, a **CFDPW fusible switch** is used in conjunction with a specifically designed connector kit. *The new switch will look different than the one it is replacing.* Each connector kit is designed to adapt the new switch for mounting in the existing panel. Therefore, it is essential that the correct connector kit is chosen. Order one switch and one connector kit. Pricing and ordering information is found in the **Unassembled Panelboards and Replacement Parts price list**.

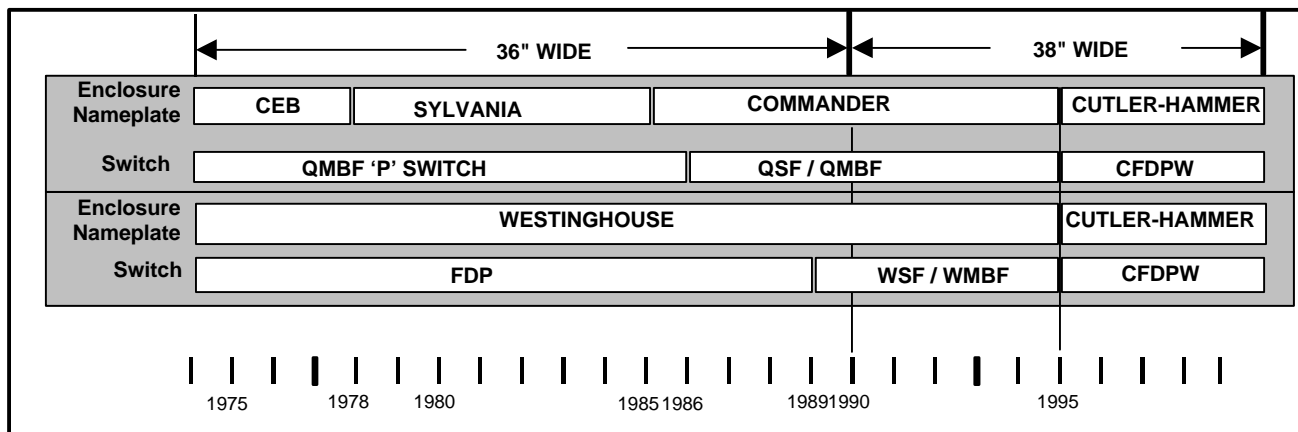


Figure 1. Timeline for Fusible Distribution Panel Enclosures and Switches

Notes: In 1986, Commander changed the design of their switch. Instead of being based on 1 ¼" = X-space, it was brought in line with the breaker distribution, where X-space = 1 3/8". At the same time, the twin 30A, 60A, and 100A had a new handle mechanism. To differentiate the two designs, the new design was called QSF (vs. QMBF). The easiest way to tell the switches apart is the old QMBF 'P' switch had an adhesive foil label where as the new QSF switch had a metal circuit holder which also served as a rating label.



POW-R-LINE 4 PANELS (SEPT. 1995 → PRESENT)

TWIN 30 A/30 A TWIN 60 A/60 A		
Replacement Switch	CFDPWT3611 (30A) CFDPWT3622 (60A)	
Connector Kit	KPRL4W4XT	
Bus	Copper or Aluminum	
"X" Space	4X	
Application Notes:		
TWIN 100 A/100 A		
Replacement Switch	CFDPWT3633	
Connector Kit	KPRL4W5XT	
Bus	Copper or Aluminum	
"X" Space	5X	
Application Notes:		
SINGLE 200 A		
Replacement Switch	CFDPWS364	
Connector Kit	KPRL4W6XS	
Bus	Copper or Aluminum	
"X" Space	6X	
Application Notes:		
TWIN 200 A/200 A		
Replacement Switch	CFDPWT3644	
Connector Kit	KPRL4W6XT	
Bus	Copper or Aluminum	
"X" Space	6X	
Application Notes:		

Replacement Fusible Switches

For CEB, GTE SYLVANIA, COMMANDER, WESTINGHOUSE, and CUTLER-HAMMER PANELS



POW-R-LINE 4 PANELS (SEPT. 1995 → PRESENT)

SINGLE 400 A		
Replacement Switch	CFDPW365	
Connector Kit	KPRL4W9X	
Bus	Copper or Aluminum	
"X" Space	9X	
Application Notes:		
SINGLE 600 A SINGLE 800 A		
Replacement Switch	CFDPW366 (600 A) CFDPW367 (800 A)	
Connector Kit	KPRL4W11X	
Bus	Copper or Aluminum	
"X" Space	11X	
Application Notes:		
SINGLE 1200 A		
Replacement Switch	CFDPW368	
Connector Kit	KPRL4W15X	
Bus	Copper or Aluminum	
"X" Space	15X	
Application Notes:		



WSF/WMBF/QSF/QMBF PANELS (1986 → 1995)

TWIN 30 A/30 A TWIN 60 A/60 A		
Replacement Switch	CFDPWT3611 (30A) CFDPWT3622 (60A)	
Connector Kit	KWSF4XT	
Bus	Copper or Aluminum	
"X" Space	4X	
Application Notes:		
TWIN 100 A/100 A		
Replacement Switch	CFDPWT3633	
Connector Kit	KWSF5XT	
Bus	Copper or Aluminum	
"X" Space	5X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
TWIN 200 A/200 A		<p>ONLY AVAILABLE FOR PL4</p>
Replacement Switch	CFDPWT3644	
Connector Kit		
Bus		
"X" Space		
Application Notes:		
SINGLE 200 A		
Replacement Switch	CFDPWS364	
Connector Kit	KWSF6XS	
Bus	Copper or Aluminum	
"X" Space	6X	
Application Notes:		

Replacement Fusible Switches

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WSF/WMBF/QSF/QMBF PANELS (1986 → 1995)

SINGLE 400 A		
Replacement Switch	CFDPW365	
Connector Kit	KWSF9X	
Bus	Copper or Aluminum	
"X" Space	9X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
SINGLE 600 A SINGLE 800 A		
Replacement Switch	CFDPW366 (600 A) CFDPW367 (800 A)	
Connector Kit	KWSF11X	
Bus	Copper or Aluminum	
"X" Space	9X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
SINGLE 1200 A		<p>AVAILABLE ONLY FOR PL4</p>
Replacement Switch	CFDPW368	
Connector Kit		
Bus		
"X" Space		
Application Notes:		



FDP PANELS (1976 → 1990)

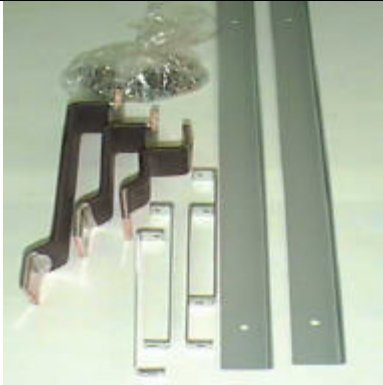
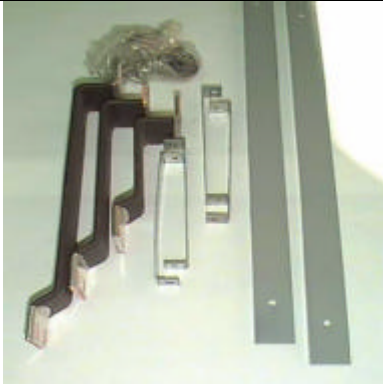
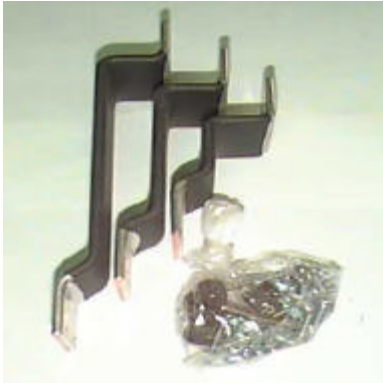
TWIN 30 A/30 A TWIN 60 A/60 A TWIN 100 A/100 A		
Replacement Switch	CFDPWT3611 (30A) CFDPWT3622 (60A) CFDPWT3633 (100A)	
Connector Kit	KFDP5XT	
Bus	Aluminum	
"X" Space	4X	
Application Notes:	Old connectors were extruded aluminum. New connectors are copper bus.	
TWIN 30 A/30 A TWIN 60 A/60 A TWIN 100 A/100 A		
Replacement Switch	CFDPWT3611 (30A) CFDPWT3622 (60A) CFDPWT3633 (100A)	
Connector Kit	KFDP5XTC	
Bus	Copper	
"X" Space	4X	
Application Notes:		
SINGLE 200 A		
Replacement Switch	CFDPWS364	
Connector Kit	KFDP6XS	
Bus	Aluminum	
"X" Space	6X	
Application Notes:	Old connectors were extruded aluminum. New connectors are copper bus	
SINGLE 200 A		
Replacement Switch	CFDPWS364	
Connector Kit	KFDP6XSC	
Bus	Copper	
"X" Space	6X	
Application Notes:		

Replacement Fusible Switches

For CEB, GTE SYLVANIA, COMMANDER, WESTINGHOUSE, and CUTLER-HAMMER PANELS

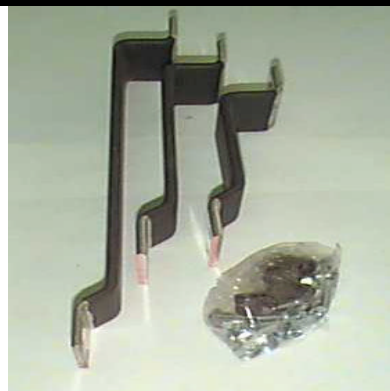


FDP PANELS (1976 → 1990)

TWIN 200 A/200 A		AVAILABLE ONLY FOR PL4
Replacement Switch	CFDPWT3644	
Connector Kit		
Bus		
"X" Space		
Application Notes:		
SINGLE 400 A		
Replacement Switch	CFDPW365	
Connector Kit	KFDP9X	
Bus	Aluminum	
"X" Space	4X	
Application Notes:	Old connectors were extruded aluminum. New connectors are copper bus	
SINGLE 400 A		
Replacement Switch	CFDPW365	
Connector Kit	KFDP9XC	
Bus	Copper	
"X" Space	4X	
Application Notes:		
SINGLE 600 A SINGLE 800 A		
Replacement Switch	CFDPWT366 (600 A) CFDPWT367 (800 A)	
Connector Kit	KFDP11X	
Bus	Aluminum	
"X" Space	11X	
Application Notes:	Old connectors were extruded aluminum. New connectors are copper bus	



FDP PANELS (1976 → 1990)

SINGLE 600 A SINGLE 800 A		
Replacement Switch	CFDPW366 (600 A) CFDPW367 (800 A)	
Connector Kit	KFDP11XC	
Bus	Copper	
"X" Space	11X	
Application Notes:		
SINGLE 1200 A		AVAILABLE ONLY FOR PL4
Replacement Switch		
Connector Kit		
Bus		
"X" Space		
Application Notes:		

Note: For FDP Panels manufactured prior to 1976, no replacement switches are available. A new panel should be considered.

Replacement Fusible Switches

For CEB, GTE SYLVANIA, COMMANDER, WESTINGHOUSE, and CUTLER-HAMMER PANELS





QMBF 'P' SWITCH (UP TO → 1986)

TWIN 30 A/30A TWIN 60 A/60 A		
Replacement Switch	CFDPWT3611 (30A) CFDPWT3622 (60A)	
Connector Kit	KWSF4XT	
Bus	Copper or Aluminum	
"X" Space	4X	
Application Notes:		
TWIN 100 A/100 A		
Replacement Switch	CFDPWT3633	
Connector Kit	KQMBP5XT	
Bus	Copper or Aluminum	
"X" Space	5X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
TWIN 200 A/200 A		<p>ONLY AVAILABLE FOR PL4</p>
Replacement Switch	CFDPWT3644	
Connector Kit		
Bus		
"X" Space		
Application Notes:		
SINGLE 200 A		
Replacement Switch	CFDPWS364	
Connector Kit	KWSF6XS	
Bus	Copper or Aluminum	
"X" Space	6X	
Application Notes:		



QMBF 'P' SWITCH (UP TO → 1986)

SINGLE 400 A		
Replacement Switch	CFDPW365	
Connector Kit	KQMBP9X	
Bus	Copper or Aluminum	
"X" Space	9X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
SINGLE 600 A SINGLE 800 A		
Replacement Switch	CFDPW366 (600 A) CFDPW367 (800 A)	
Connector Kit	KQMBP11X	
Bus	Copper or Aluminum	
"X" Space	11X	
Application Notes:	For 36" wide cell, modification to the left hand trim may be necessary. For a 38" wide cell modification to the 2" right hand filler may be necessary	
SINGLE 1200 A		AVAILABLE ONLY FOR PL4
Replacement Switch	CFDPW368	
Connector Kit		
Bus		
"X" Space		
Application Notes:		

