



Underwriters Laboratories Inc.

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August 11, 1998

Cutler-Hammer Technology and Quality Center
Mr. Jim Farley
170 Industry Drive, R1DC Park West
Pittsburgh, PA 15275-1032

Our Reference: E7819; E45310

Subject: Cutler-Hammer Residential Circuit Breakers

Dear Jim:

UL has been contacted to advise Electrical Inspectors and others regarding the suitability of residential circuit breakers manufactured by Cutler-Hammer for use in Challenger, Westinghouse or Bryant loadcenters, that do not reference Cutler-Hammer residential circuit breakers.

In an effort to clarify this issue, specific Cutler-Hammer residential circuit breaker Types can be used to replace Challenger, Westinghouse, and Bryant Types in equipment and loadcenters that are marked as being suitable for the use of Challenger, Westinghouse, or Bryant circuit breakers, respectively. The following chart tabulates the Cutler-Hammer Types and the corresponding Challenger, Westinghouse, and Bryant Types that are interchangeable.

In field installations, the circuit breaker Types bearing the Cutler-Hammer name are suitable for replacement of the equivalent residential circuit breaker Types with the Challenger, Westinghouse, or Bryant name in circuit breaker loadcenters, and the like, which are marked as being suitable for use with the Challenger, Westinghouse, or Bryant Type residential circuit breakers contained in the following list.

Circuit Breaker Description	AIC Rating	Circuit Breaker Brand Name and Type			
		Cutler-Hammer	Westinghouse	Challenger	Bryant
Standard Thermal Magnetic	10K	Type BR	Type BR	Type C	Type BR
Duplex / Quadplex	10K	Type BRD	Type BRD	Type A	Type BRD
Standard Thermal Magnetic	22K	Type BRH	Type BRH	Type HC	Type BRH
Standard Thermal Magnetic	42K	Type BRHH	Type BRHH	Type VC	Type BRHH
Standard Thermal Magnetic	65K	Type BRO	Not Available	Type XC	Not Available
Specialty Breakers	10K	Type BRO	Type BRO	Type C	Type BRO
GFI People Protection	10K	Type GFCB	Type GFCB	Type HAGF	Type GFCB
GFI People Protection	22K	Type GFCBH	Type GFCBH	Type HAGFH	Type GFCBH
GFI Equipment Protection	10K	Type GFEP	Type GFEP	Type HAGFEP	Type GFEP
GFI Equipment Protection	22K	Type GFEPH	Type GFEPH	Type HAGFEPH	Type GFEPH
Arc Fault Circuit Interrupters	10K	Type BR	Not Available	Not Available	Not Available
Loadcenter Main	10K	Type BW	Not Interchangeable	Type CM	Not Interchangeable
Loadcenter Main	25K	Type BWH	Not Interchangeable	Type CMH	Not Interchangeable
Loadcenter Main	42K	Type BWHH	Not Interchangeable	Type CMV	Not Interchangeable
Loadcenter Main	10K	Type CC	Not Interchangeable	Type CB	Not Interchangeable
Loadcenter Main	10K	Type QFL	Type WFL	Type QFL	Not Interchangeable
Loadcenter Main	10K	Type QFP	Type WFP	Type QFP	Not Interchangeable

Please copy and forward this letter to those needing this information. If there are any questions on this matter, please feel free to contact me.

Sincerely:

Jeffrey H. Hidaka
Engineering Group Leader
Engineering Services, 418D
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Underwriters Laboratories Inc.

February 4, 1998

Cutler-Hammer
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Our Reference: E8741

Subject: **Cutler-Hammer Circuit Breakers and Fused Switches**

Dear Kevin:

UL has been contacted to advise Electrical Inspectors and others regarding the suitability of molded case circuit breakers and fused switches manufactured by Cutler-Hammer for use in Challenger circuit breaker enclosures, panelboards, and the like, that do not reference Cutler-Hammer molded case circuit breakers or fused switches.

In an effort to clarify this issue, specific Cutler-Hammer molded case circuit breaker and fused switch Types can be used to replace Challenger Types in equipment that is marked as being suitable for the use of Challenger circuit breakers. The attached page tabulates the Cutler-Hammer Types and Challenger Types of molded case circuit breakers and fused switches that are interchangeable.

In field installations, the circuit breaker Types bearing the Cutler-Hammer name are suitable for replacement of the equivalent molded case circuit breaker or fused switch Types with the Challenger name in circuit breaker enclosures, panelboards, switchboards, and the like, which are marked as being suitable for use with the Challenger Type molded case circuit breakers and fused switches contained in the attached list.

Please copy and forward this letter to those needing this information. If there are any questions on this matter, please feel free to contact me.

Sincerely,

Jeffrey H. Hidaka
Engineering Group Leader
Engineering Services, 418D
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February 4, 1998

Page 2

**MOLDED CASE CIRCUIT BREAKERS
CROSS REFERENCE**

<u>Cutler-Hammer</u>	<u>Challenger</u>	<u>Cutler-Hammer</u>	<u>Challenger</u>	<u>Cutler-Hammer</u>	<u>Challenger</u>
ED	CED	MDS	CSMD	GHB	CH
EDH	CEH	MDSC	CSMDC	GHBS	CSCB
EDC	CEV	MDSY	CSMDY	GHC	CHL
EHD	CE	ND	CN	GDB	CGDB
FDB	CFS	HND	CNH	CA	CD
FD	CF	NDC	CNV	CAH	CDH
HFD	CFH	CND	CNC	HCA	CDT
FDC	CFV	CHND	CNHC	PC	CSP
JDB	CJS	CNDC	CNVC	PCC	CSPC
JD	CJ	RD	CR	LC	CSL
HJD	CJH	RDC	CRV	HLC	CSHL
JDC	CJV	CRD	CRC	LCC	CSLC
DK	CDK	CRDC	CRVC	HLCC	CSHLC
KDB	CKS	FB-P	CTB	LCY	CSLY
KD	CK	LA-P	CTL	MC	CSM
HKD	CKH	NB-P	CTN	HMC	CSHM
KDC	CKV	PB-P	CTP	MCC	CSMC
CKD	CKC	BAB	CBB	HMCC	CSHMC
CHKD	CKHC	BAB-H	CBB-H	MCY	CSMY
CKDC	CKVC	QBHW	CBBH	NC	CSN
LDB	CK	QBHW-H	CBBH-H	HNC	CSHN
LD	CL	QBGF	CBBGF	NCY	CSNY
HLD	CLH	QBHGF	CBBHGF	FCL	CXF
LDC	CLV	QBGFEP	CBBGFEP	LCL	CXL
CLD	CLC	QBHGFEP	CBBHGFEP		
CHLD	CLHC	GB	CG		
CLDC	CLVC	GC	CGL		

FUSED SWITCHES

<u>Cutler-Hammer</u>	<u>Challenger</u>
FDP	FCS
FDPW	FCSC