



AR-I NOVOZE "DE-ION" CIRCUIT BREAKERS DIMENSION SHEET INDEX

DIMENSION SHEET INDEX

30-230

PAGE
1

125/250 AMPERES

125-800 VOLTS A-C

125/250 VOLTS D-C

Cat. No.	Corresponding Style No.	Page No.	Line No.	Cat. No.	Corresponding Style No.	Page No.	Line No.	Cat. No.	Corresponding Style No.	Page No.	Line No.	Cat. No.	Corresponding Style No.	Page No.	Line No.
DA-2115-I	1292 572	3	1	DD-2627	1253 286	5	1	IA-2241	1531 946	6	2	ID-3230	1320 986	9	1
DA-2120-I	1292 573	3	1	DD-2630	1253 287	5	1	IA-2250	1169 739	6	2	ID-3232	1320 987	9	1
DA-2125-I	1292 574	3	1	DD-2632	1253 288	5	1	IA-32NA	1186 587	7	2	ID-3236	1320 988	9	1
DA-2131-I	1470 924	3	1	DD-2636	1253 289	5	1	IA-3215	1169 745	7	2	ID-3240	1320 989	9	1
DA-2135-I	1292 575	3	1	DD-2640	1253 290	5	1	IA-3220	1169 746	7	2	ID-3245	1320 990	9	1
DA-2141-I	1531 967	3	1	DD-2645	1253 291	5	1	IA-3225	1169 747	7	2	ID-3251	1320 991	9	1
DA-2150-I	1292 576	3	1	DD-2651	1253 292	5	1	IA-3231	1470 940	7	2	ID-3255	1320 992	9	1
DA-22NA	1186 578	3	2	DD-2655	1253 293	5	1	IA-3235	1169 748	7	2	ID-3260	1320 993	9	1
DA-2215	1109 100	3	2	DD-2660	1253 294	5	1	IA-3241	1531 948	7	2	ID-36NA	1357 711	9	1
DA-2220	1109 101	3	2	DD-32NA	1320 566	5	1	IA-3250	1169 749	7	2	ID-3622	1343 505	9	1
DA-2225	1109 102	3	2	DD-3222	1253 273	5	1	IB-2211	1169 555	8	3	ID-3626	1343 506	9	1
DA-2231	1470 922	3	2	DD-3226	1253 274	5	1	IB-2250	1169 552	8	3	ID-3627	1343 507	9	1
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DA-2250	1109 104	3	2	DD-3232	1253 277	5	1	IB-2611	1169 563	8	3	ID-3636	1343 510	9	1
DA-32NA	1186 579	3	2	DD-3236	1253 278	5	1	IB-2650	1169 560	8	3	ID-3640	1343 511	9	1
DA-3215	1109 105	3	2	DD-3240	1253 279	5	1	IB-2670	1169 561	8	3	ID-3645	1343 512	9	1
DA-3220	1109 106	3	2	DD-3245	1253 280	5	1	IB-2690	1169 562	8	3	ID-3651	1343 513	9	1
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DB-3670	1109 133	3	5	DF-26-NA	1310 080	3	4	IC-2612	1320 922	8	4	IF-2650	1301 364	8	1
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DC-22NA	1320 560	4	1	DF-2605-A	1420 298	3	3	IC-2617	1320 924	8	4	IF-2670	1301 379	8	2
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DC-2212	1253 358	4	1	DF-2611	1297 363	3	4	IC-2622	1320 926	8	4	IF-2690	1301 380	8	2
DC-2216	1253 359	4	1	DF-2611-A	1420 303	3	4	IC-2670	1320 919	8	4	IF-32NA	1310 087	8	2
DC-2217	1253 360	4	1	DF-2615	1297 342	3	3	IC-2690	1320 920	8	4	IF-3211	1301 377	8	2
DC-2221	1253 361	4	1	DF-2620	1297 343	3	3	IC-32NA	1357 706	8	4	IF-3270	1301 375	8	2
DC-2222	1253 362	4	1	DF-2625	1297 344	3	3	IC-3211	1320 912	8	4	IF-3290	1301 376	8	2
DC-2270	1253 355	4	1	DF-2625-A	1420 300	3	3	IC-3212	1320 913	8	4	IF-36NA	1310 089	8	2
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DC-2616	1253 341	4	1	DF-2650-A	1420 301	3	3	IC-3270	1320 910	8	4	IF-3611-A	1420 321	8	2
DC-2617	1253 342	4	1	DF-2670	1297 361	3	4	IC-3290	1320 911	8	4	IF-3615	1301 365	8	1
DC-2621	1253 343	4	1	DF-2670-A	1420 302	3	4	IC-36NA	1357 707	8	4	IF-3620	1301 366	8	1
DC-2622	1253 344	4	1	DF-2690	1297 362	3	4	IC-3611	1320 930	8	4	IF-3625	1301 367	8	1
DC-2670	1253 337	4	1	DF-32NA	1310 079	3	4	IC-3612	1320 931	8	4	IF-3625-A	1420 318	8	1
DC-2690	1253 338	4	1	DF-3211	1297 359	3	4	IC-3616	1320 932	8	4	IF-3631	1470 958	8	1
DC-32NA	1320 562	4	1	DF-3270	1297 357	3	4	IC-3617	1320 933	8	4	IF-3635	1301 368	8	1
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DC-3212	1253 367	4	1	DF-36NA	1310 081	3	4	IC-3622	1320 935	8	4	IF-3650	1301 369	8	1
DC-3216	1253 368	4	1	DF-36NAA	1310 077	3	3	IC-3670	1320 928	8	4	IF-3650-A	1420 319	8	1
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DC-3221	1253 370	4	1	DF-3610-A	1420 305	3	3	ID-22NA	1357 708	9	1	IF-3670-A	1420 320	8	2
DC-3222	1253 371	4	1	DF-3611	1297 367	3	4	ID-2222	1320 972	9	1	IF-3690	1301 384	8	2
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DC-3612	1253 349	4	1	DF-3625-A	1420 306	3	3	ID-2236	1320 977	9	1</				



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CIRCUIT PROTECTIVE EQUIPMENT

NOFUZE "DE-ION" CIRCUIT BREAKERS

ENCLOSED TYPE AB-1

DIMENSION SHEET

30-230

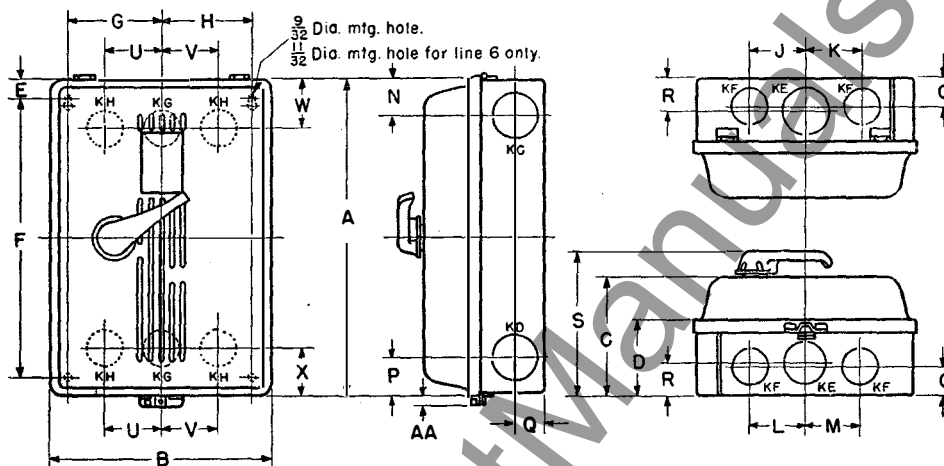
PAGE
3

CONDUIT SIZES

WIRING SPACE WITHIN ENCLOSURES

DUST-RESISTING SHEET STEEL ENCLOSURES (NEMA TYPE 1A)

50 Ampere E Frame, 100 Ampere F and G Frame Sizes—Voltages Up to 600 A-C; 250 D-C



LINE NO.	BREAKER RATING	AMPERES	MAXIMUM VOLTS		POLES	A	B	C	D	E	F	G	H	J
			A-C	D-C										
1	50 A "E" Frame	15-50	125	125	2SN	12	7 ³ / ₁₆	4 ³ / ₁₆	3 ³ / ₁₆	1 ³ / ₁₆	9 ⁹ / ₃₂	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₄
2	50 A "E" Frame	15-50	250	125/250	2-3	12	7 ³ / ₁₆	4 ³ / ₁₆	3 ³ / ₁₆	1 ³ / ₁₆	9 ⁹ / ₃₂	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₄
3	100 A "F" Frame Non Interchangeable Trip	15-50	600	250	2-3	15 ¹ / ₂	7 ³ / ₁₆	5 ³ / ₁₆	4 ³ / ₁₆	1 ³ / ₁₆	12 ²³ / ₃₂	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₄
4	100 A "F" Frame Non Interchangeable Trip	70-90-100	600	250	2-3	17 ³ / ₁₆	8 ³ / ₁₆	6 ⁷ / ₁₆	4 ³ / ₁₆	1 ³ / ₁₆	14 ⁹ / ₁₆	2 ³ / ₁₆	2 ³ / ₁₆	1 ⁹ / ₁₆
5	100 A "G" Frame Interchangeable Trip	50-100	600	250	2-3	17 ¹ / ₄	12	6 ⁷ / ₁₆	4 ³ / ₁₆	1 ³ / ₁₆	14 ³ / ₁₆	4 ³ / ₁₆	4 ³ / ₁₆	2

LINE NO.	BREAKER RATING	K	L	M	N	P	Q	R	S	T	U	V	W	X	AA
1	50 A "E" Frame	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ³ / ₁₆	..	6 ³ / ₁₆	12 ³ / ₁₆	..	..	1 ⁹ / ₁₆	1 ⁹ / ₁₆	1 ⁹ / ₁₆
2	50 A "E" Frame	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ³ / ₁₆	..	6 ³ / ₁₆	12 ³ / ₁₆	..	..	1 ⁹ / ₁₆	1 ⁹ / ₁₆	1 ⁹ / ₁₆
3	100 A "F" Frame Non Interchangeable Trip	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ³ / ₁₆	..	7 ³ / ₁₆	16 ³ / ₁₆	..	..	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ⁹ / ₁₆
4	100 A "F" Frame Non Interchangeable Trip	1 ⁹ / ₁₆	1 ⁹ / ₁₆	1 ⁹ / ₁₆	2 ³ / ₁₆	2 ³ / ₁₆	1 ²³ / ₃₂	..	7 ¹ / ₁₆	17 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	2 ³ / ₁₆	2 ³ / ₁₆	3 ⁹ / ₁₆
5	100 A "G" Frame Interchangeable Trip	2	2	2	2 ³ / ₁₆	2 ³ / ₁₆	1 ²³ / ₃₂	..	7 ¹ / ₁₆	17 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	2 ³ / ₁₆	2 ³ / ₁₆	3 ⁹ / ₁₆

P and R = 1¹/₄ for 50 ampere frame; 2 for 100 ampere frames.

LINE NO.	CONDUIT SIZES IN INCHES						
	KA	KB	KC	KD	KF	KG	KH
1, 2 and 3	3/4x1 1/4	3/4x1 1/4	3/4x1 1/4	3/4x1 1/4	3/4x1 1/4	3/4x1 1/4	
4 and 5	1 1/4x1 1/2x2	1 1/4x1 1/2x2	1 1/4x1 1/2x2	1 1/4x1 1/2x2	1 1/4x1 1/2x2		1 1/4x1 1/2

Note: Conduit sizes shown in table above are maximum possible when located per dimensions "P" and "R".

LINE NO.	WIRING SPACE WITHIN ENCLOSURES				
	POLES	TOP	BOTTOM	Δ LEFT SIDE	RIGHT SIDE
1	2SN	3 ³ / ₁₆	2 ⁷ / ₁₆	3	2 ¹ / ₂
2	2	3 ³ / ₁₆	2 ⁷ / ₁₆	1 ³ / ₁₆	1 ¹ / ₈
3	3	3 ³ / ₁₆	2 ⁷ / ₁₆		1 ¹ / ₈
4	2	2 ¹ / ₁₆	2 ¹ / ₁₆		2 ¹ / ₁₆
5	3	2 ¹ / ₁₆	2 ¹ / ₁₆		1 ¹ / ₈
6	2	3 ³ / ₁₆	3 ³ / ₁₆	1	3 ³ / ₁₆
7	3	3 ³ / ₁₆	3 ³ / ₁₆	1	2
8	2	3 ³ / ₁₆	3 ³ / ₁₆	1 ³ / ₁₆	3 ¹ / ₁₆
9	3	3 ³ / ₁₆	3 ³ / ₁₆		1 ² / ₁₆

Δ Wiring space available with neutral installed.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

Supersedes D.S. 30-230, pages 3 and 4, dated November, 1949

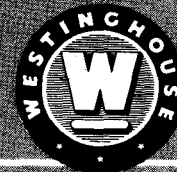
NOVEMBER, 1952

Mailed to: E42-2H; D63-2D; C26-2B; CHH ;Classified File

CIRCUIT PROTECTIVE EQUIPMENT

NOFUZE "DE-ION" CIRCUIT BREAKERS

ENCLOSED TYPE AB-1

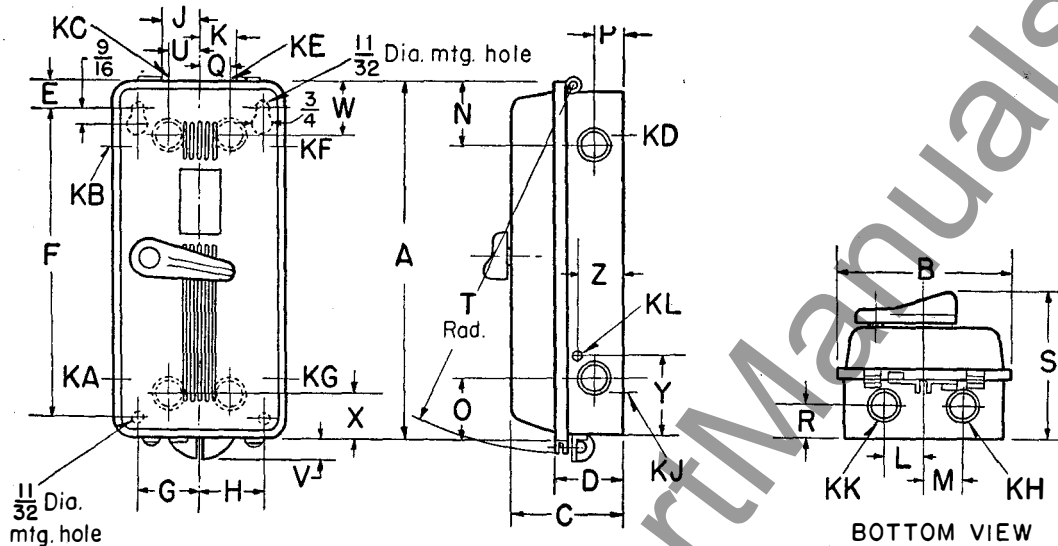


CONDUIT SIZES

WIRING SPACE WITHIN ENCLOSURES

DUST-RESISTING SHEET STEEL ENCLOSURES (NEMA TYPE 1A)

225 Ampere K Frame—2 and 3 Poles—Maximum Voltages 600 A-C; 250 D-C



LINE NO.	SIZE	MAXIMUM VOLTAGE	POLES	OUTLINE DIMENSIONS IN INCHES												
				A	B	C	D	E	F	G	H	J	K	L	M	N
1	225 Ampere K Frame	250 D-C 600 A-C	2-3	27 ¹ / ₁₆	14 ¹ / ₃₂	9 ¹ / ₃₂	6 ¹ / ₁₆	1 ¹ / ₈	24 ¹ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	3 ³ / ₁₆	3 ³ / ₁₆	2 ¹ / ₁₆	2 ¹ / ₁₆	3 ¹ / ₂

LINE NO.	SIZE	MAXIMUM VOLTAGE	POLES	OUTLINE DIMENSIONS IN INCHES											
				O	P	Q	R	S	T	U	V	W	X	Y	Z
1	225 Ampere K Frame	250 D-C 600 A-C	2-3	3 ¹ / ₂	2 ⁵ / ₁₆	2 ¹ / ₂	2 ⁵ / ₁₆	11 ¹ / ₁₆	27 ³ / ₁₆	2 ¹ / ₂	1 ¹ / ₁₆	3 ¹ / ₁₆	3 ¹ / ₁₆	5 ⁵ / ₁₆	4 ⁵ / ₁₆

LINE NO.	CONDUIT SIZES IN INCHES										
	KA	KB	KC	KD	KE	KF	KG	KH	KJ	KK	KL
1	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	2, 2 ¹ / ₂	5 ¹ / ₈ , 7 ¹ / ₈

Note: Maximum conduit size possible, 3 inches.

*WIRING SPACE WITHIN ENCLOSURES					
LINE NO.	POLES	TOP	BOTTOM	LEFT SIDE	RIGHT SIDE
1	2 3	5 ¹ / ₂ 5 ¹ / ₂	5 ¹ / ₂ 5 ¹ / ₂	5 ¹ / ₈ 2 ¹ / ₈	2 ¹ / ₈ 2 ¹ / ₈

* Distance from breaker to walls of enclosure.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

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**CIRCUIT PROTECTIVE EQUIPMENT
NOFUZE "DE-ION" CIRCUIT BREAKERS
ENCLOSED TYPE AB-1**

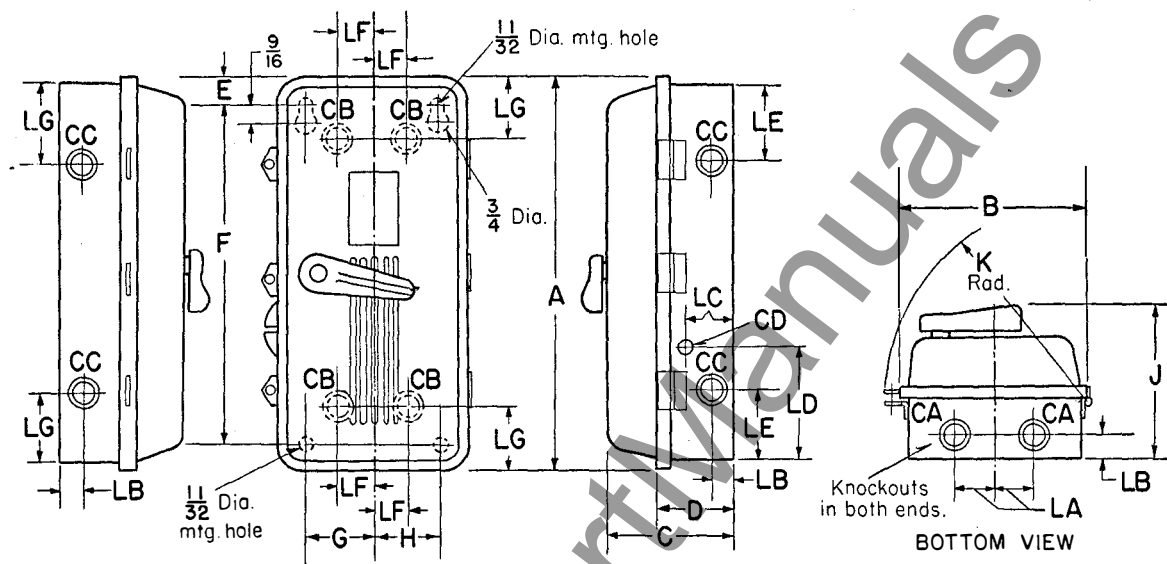
30-230

PAGE 5

CONDUIT SIZES • KNOCKOUT LOCATIONS • WIRING SPACE WITHIN ENCLOSURES

DUST-RESISTING SHEET STEEL ENCLOSURES (NEMA TYPE 1A)

600 Ampere L Frame—2 and 3 Pole—Maximum Voltages 600 A-C; 250 D-C



LINE NO.	SIZE	MAXIMUM VOLTAGE	POLES	OUTLINE DIMENSIONS IN INCHES									
				A	B	C	D	E	F	G	H	J	K
1	600	250 D-C 600 A-C	2-3	4 1/8	17 7/8	10 2 3/4	8 1/8	1 1/8	39 7/16	7 3 3/4	7 3 3/4	13 3/8	18 1/4
LINE NO.	POLES	CONDUIT SIZES				KNOCKOUT LOCATIONS IN INCHES							
		CA	CB	CC	CD	LA	LB	LC	LD	LE	LF	LG	
1	2-3	2 1/2 x 3	2 1/2 x 3	2 1/2 x 3	1/2 Loom	3 1/2	3 3/8	6 1/2	6 1 1/4	3 5 3/4	3 1/2	3 5 3/4	
LINE NO.	* WIRING SPACE WITHIN ENCLOSURES												
	POLES	TOP		BOTTOM		LEFT SIDE		RIGHT SIDE					
1	2 3	9 9/16 9 9/16		9 9/16 9 9/16		4 1 7/32 4 1 7/32		4 1 7/32 4 1 7/32					

*Distance from breaker to walls of enclosure.

*Distance from breaker to walls of enclosure.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

Supersedes D.S. 30-230, pages 5 and 6, dated January, 1949

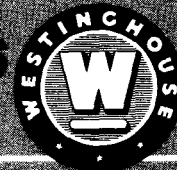
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E42-2H, D63-2D; C28-2B; CHH
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CIRCUIT PROTECTIVE EQUIPMENT NOFUZE "DE-ION" CIRCUIT BREAKERS ENCLOSED TYPE AB-1



CONDUIT LOCATIONS AND SIZES

WIRING SPACE WITHIN ENCLOSURES

CAST IRON WATER AND DUST-TIGHT ENCLOSURES (NEMA TYPES 3, 4 & 5)

50 Ampere E Frame—2 Pole S/N—125/250 Volts A-C or D-C

50 Ampere E Frame—2 Pole—250 Volts A-C or 125/250 D-C

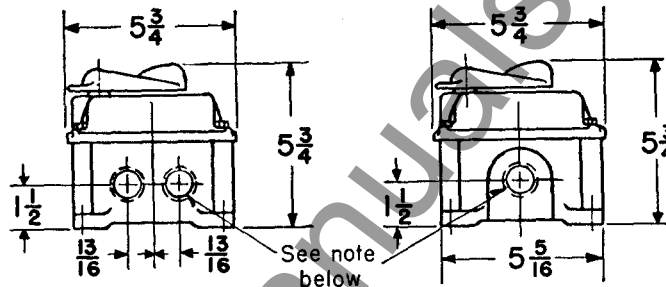
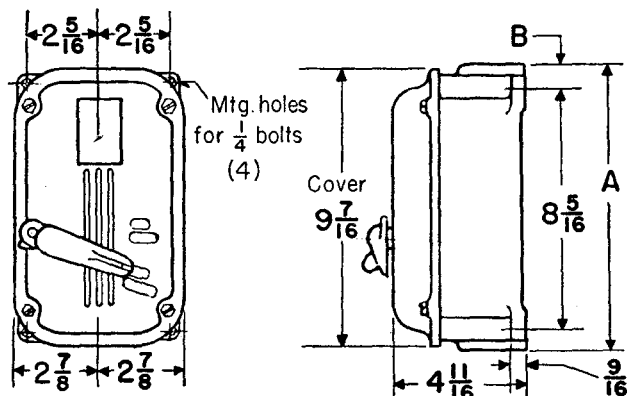


Fig. 1

Fig. 2

BOTTOM VIEWS

LINE NO.	NO. OF POLES	E FRAME THERMAL TRIP AMPERES	BASE DIMENSIONS		CONDUIT LOCATION AND SIZE	
			A	B	FIG.	SIZE
1	1 2	15-20-25-35-50	9	1 1/2	1	1
2	1 2	15-20-25-35-50	9 9/16	2 1/2	2	1 1/4

*WIRING SPACE WITHIN ENCLOSURES				
NO. OF POLES	TOP	BOTTOM	LEFT SIDE	RIGHT SIDE
1	1 1/8	1 1/8	1 1/4	1 1/16
2	1 1/8	1 1/8	1 1/4	5/16

*Distance from breaker to walls of enclosure.

NOTES ON CONDUITS

Note: { Fig. 1. Two taper pipe taps in both ends for Line No. 1.
Fig. 2. One taper pipe tap in both ends for Line No. 2.

Maximum size of conduit possible is 1 inch for line 1 and 1 1/4 inch for line 2. When smaller conduit is required, a reducer must be used. (Furnished by the customer.)
Conduit drilling for sides of these enclosures not available.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

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CIRCUIT PROTECTIVE EQUIPMENT

NOFUZE "DE-ION" CIRCUIT BREAKERS

ENCLOSED TYPE AB-1

DIMENSION SHEET

30-230

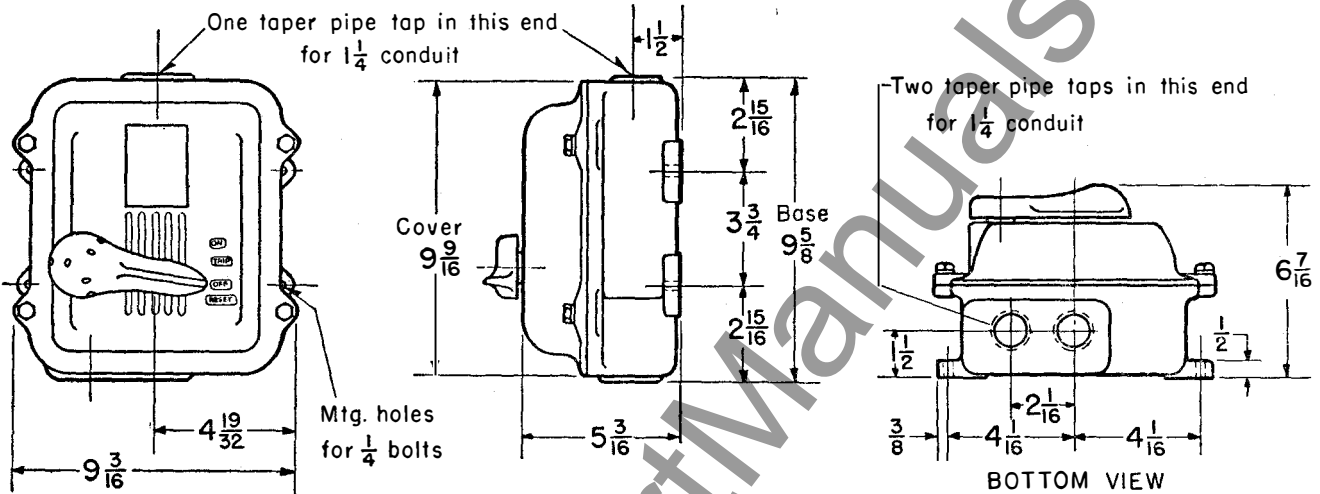
PAGE
7

CONDUIT SIZES

WIRING SPACE WITHIN ENCLOSURES

CAST IRON WATER AND DUST-TIGHT ENCLOSURES (NEMA TYPES 3, 4 AND 5) AND CAST IRON ENCLOSURES FOR HAZARDOUS LOCATIONS—CLASS II, GROUPS E, F AND G—(NEMA TYPE 9)

50 Ampere E Frame—3 Poles—250 Volts A-C or 125/250 D-C



LINE NO.	ENCLOSURE	E FRAME THERMAL TRIP AMPS.	CONDUIT SIZE
1	Class II, Group G	15-20-25-35-50	1 1/4
2	Water and Dust Tight	15-20-25-35-50	1 1/4

*WIRING SPACE WITHIN ENCLOSURES				
NO. OF POLES	TOP	BOTTOM	LEFT SIDE	RIGHT SIDE
1	1 1/8	1 1/8	1 1/2	1 3/8
2	1 1/8	1 1/8	1 1/2	1 3/8

*Distance from breaker to walls of enclosure.

NOTES ON CONDUITS

Box may be turned end for end if desirable to have conduit openings in reversed location.
Maximum size of conduit possible is 1 1/4 inches.
When smaller conduits are required, a reducer must be used. (Furnished by the customer.)
Conduit drilling for sides of these enclosures not available.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

Supersedes D.S. 30-230, pages 7 and 8, dated November, 1949

SEPTEMBER, 1951

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E42-2H; D63-2D; C26-2B; CHH; Classified File

CIRCUIT PROTECTIVE EQUIPMENT NOFUZE "DE-ION" CIRCUIT BREAKERS ENCLOSED TYPE AB-1

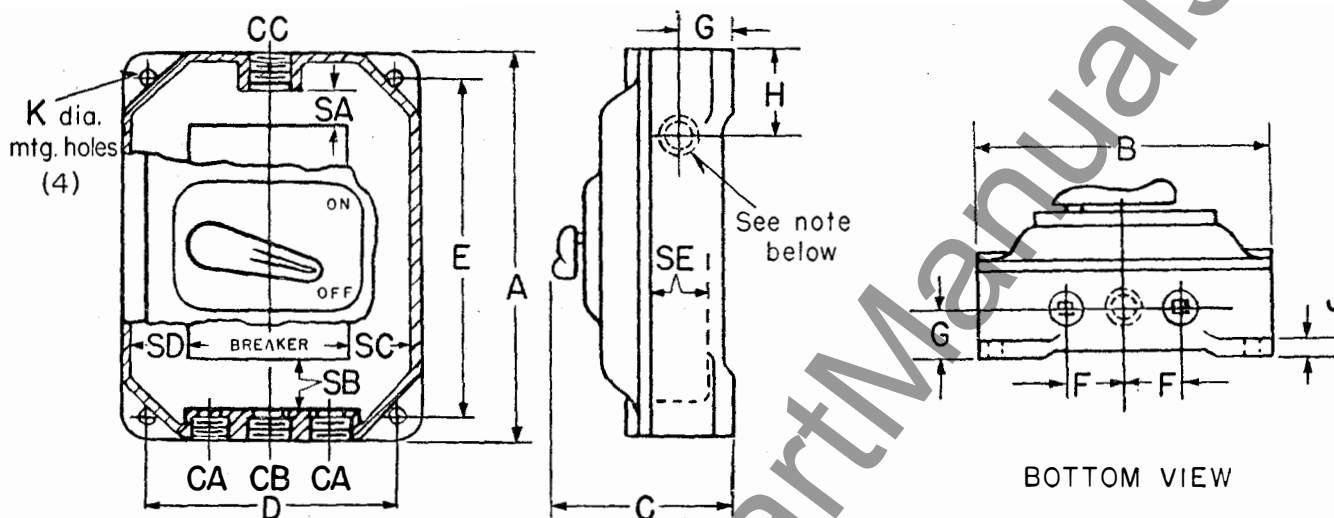


CONDUIT PIPE TAP SIZES

WIRING SPACE WITHIN ENCLOSURES

CAST IRON WATER AND DUST-TIGHT ENCLOSURES (NEMA TYPES 3, 4 AND 5) AND CAST IRON ENCLOSURES FOR HAZARDOUS LOCATIONS—CLASS II, GROUP G—(NEMA TYPE 9)

100 Amperes F and G Frames—2 and 3 Poles—Voltages to 600 A-C; 250 D-C
225 Amperes K Frames—2 and 3 Poles—Voltages to 600 A-C; 250 D-C



LINE NO.	BREAKER FRAME	AMPERES	DIMENSIONS IN INCHES										STANDARD PIPE TAP FOR CONDUIT			MAXIMUM SIZE OF CONDUIT POSSIBLE
			A	B	C	D	E	F	G	H	J	K	CA	CB	CC	
1	F Frame Non-Interchangeable Trip	15 to 50	16½	8¾	7½	7¾	15½	1½	1½	3¾	¾	¼	1¼	...	1¼	1½
2	F Frame Non-Interchangeable Trip	70-90-100	18¾	8¾	7½	7¾	15½	1½	1½	3¾	¾	¼	2	...	2	2
3	G Frame Interchangeable Trip	50 to 100	19¾	12½	7½	11¾	18¾	2¾	1½	3¾	¾	¾	1½	1½	1½	2
4	K Frame Interchangeable Trip	70 to 225	30	17	9½	15¾	28¾	3¾	2¾	4¾	1½	½	2½	2½	2½	2½

LINE NO.	NO. OF POLES	*WIRING SPACE WITHIN ENCLOSURES				
		SA	SB	SC	SD	SE
1	{2 3}	2½ 2½	2½ 2½	2¾ 1¾	1¾ 1¾	2¾ 2¾
2	{2 3}	3¾ 3¾	3¾ 3¾	2¾ 1¾	1¾ 1¾	2¾ 2¾
3	{2 3}	3½ 3½	3½ 3½	2½ 1½	2½ 1½	2¾ 2¾
4	{2 3}	4¼ 4¼	7¼ 7¼	3¾ 3¾	5¾ 3¾	3¾ 3¾

*Distance from breaker to walls of enclosure.

NOTES ON CONDUITS

Side holes can be drilled and tapped same size as end holes. For lines 1 & 2 side conduit drilling can be had for 1¼ in. to 2 in. conduit. Box may be turned end for end if desirable to have conduit openings in reversed location. When smaller conduits are required, a reducer must be used. (Furnished by the customer.)

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.



CIRCUIT PROTECTIVE EQUIPMENT NOFUZE "DE-ION" CIRCUIT BREAKERS ENCLOSED TYPE AB-1

DIMENSION SHEET

30-230

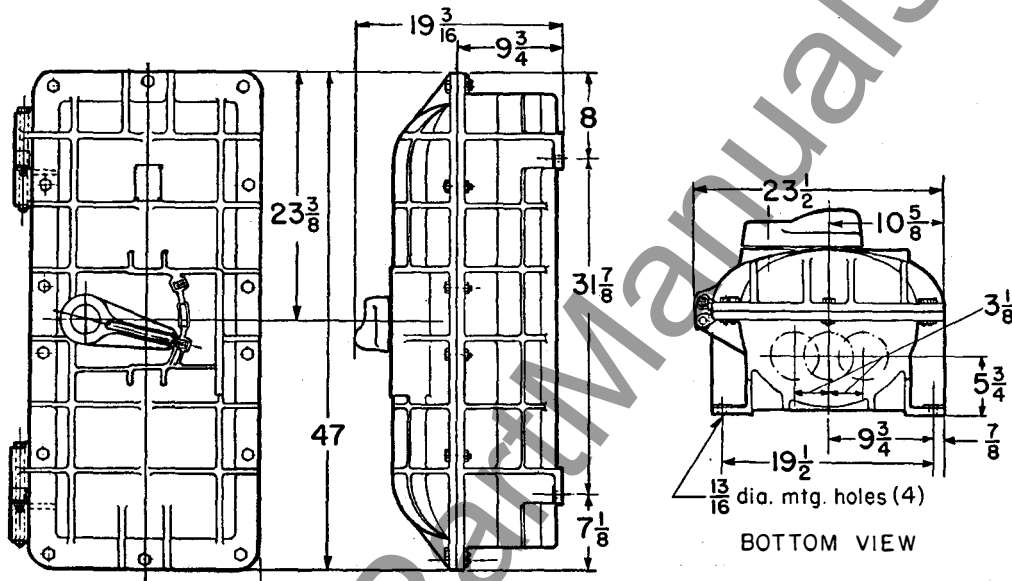
PAGE
9

CONDUIT SIZES

WIRING SPACE WITHIN ENCLOSURES

CAST IRON WATER AND DUST-TIGHT ENCLOSURES (NEMA TYPES 3, 4 AND 5) AND CAST IRON ENCLOSURES FOR CLASS I, GROUP D (NEMA TYPE 7) AND CLASS II, GROUP G (NEMA TYPE 9) FOR HAZARDOUS LOCATIONS

600 Amperes L Frames—2 and 3 Poles—Voltages Up to 600 A-C; 250 D-C



LINE NO.	CONDUITS
*1	One 4 inch conduit in each end
2	Two 4 inch conduits in top end
3	Two 4 inch conduits in bottom end

* Conduit arrangement unless otherwise specified by customer.

NO. OF POLES	*WIRING SPACE WITHIN ENCLOSURES			
	TOP	BOTTOM	LEFT SIDE	RIGHT SIDE
2	9	9	3	3
3	9	9	3	3

* Distance from breaker to walls of enclosure.

NOTES ON CONDUITS

Conduit drilling for sides of this enclosure not available.

When smaller conduit size is required, a reducer must be used. (Furnished by the customer.)

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Supersedes D.S. 30-530, pages 9 and 10, dated October, 1948

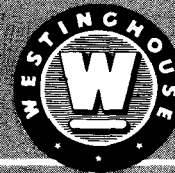
NOVEMBER, 1949

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CIRCUIT PROTECTIVE EQUIPMENT NOFUZE "DE-ION" CIRCUIT BREAKERS ENCLOSED TYPE AB-1



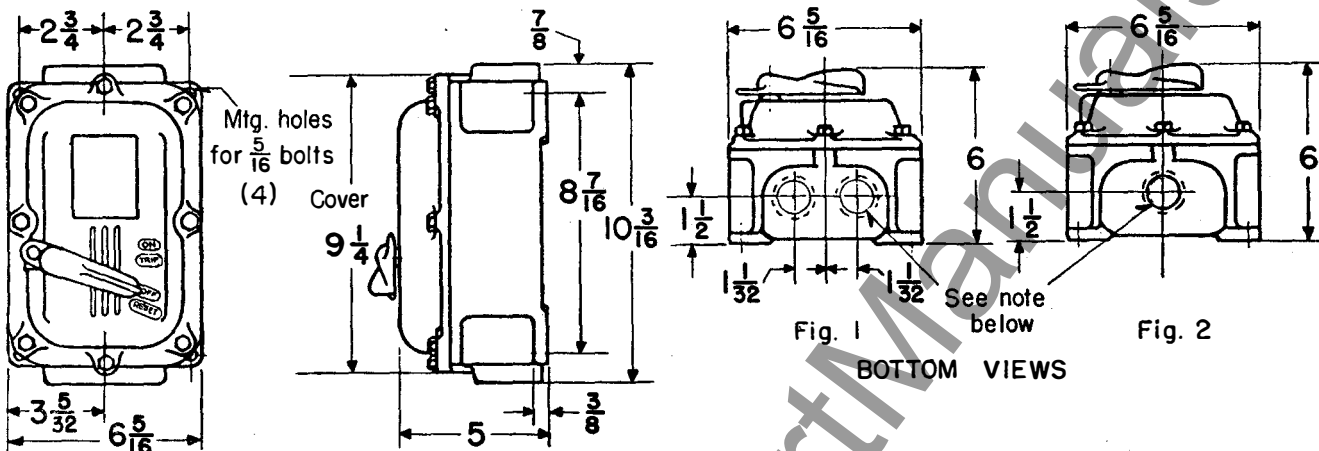
CONDUIT SIZE AND LOCATION

WIRING SPACE WITHIN ENCLOSURES

CAST IRON ENCLOSURES FOR CLASS I, GROUP D (NEMA TYPE 7) AND CLASS II, GROUPS E, F AND G (NEMA TYPE 9) FOR HAZARDOUS LOCATIONS

50 Amperes E Frame—2 Pole SN—125/250 Volts A-C or D-C

50 Amperes E Frame—2 Pole—250 Volts A-C or 125/250 D-C



LINE NO.	NUMBER OF POLES	E FRAME THERMAL TRIP AMPERES	CONDUIT LOCATION AND SIZE		
			FIG.	SIZE	MAXIMUM SIZE POSSIBLE
1	1 or 2	15-20-25-35-50	1	1 1/4	1 1/4
2	1 or 2	15-20-25-35-50	2	1 1/4	1 1/4

NO. OF POLES	*WIRING SPACE WITHIN ENCLOSURES			
	TOP	BOTTOM	LEFT SIDE	RIGHT SIDE
1	1 3/16	1 3/16	1 1/2	1 13/16
2	1 3/16	1 3/16	1 1/2	1 1/16

*Distance from breaker to walls of enclosure

When smaller conduit size is required, a reducer must be used. (Furnished by the customer.)

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

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CIRCUIT PROTECTIVE EQUIPMENT

NOFUZE "DE-ION" CIRCUIT BREAKERS

ENCLOSED TYPE AB-I

DIMENSION SHEET

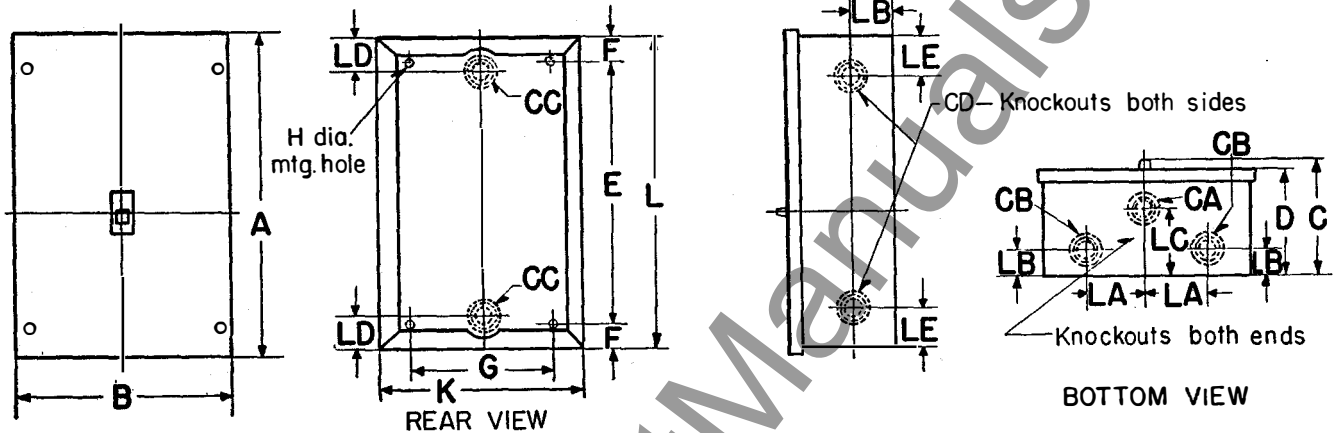
30-230

PAGE 13

CONDUIT SIZES • KNOCKOUT LOCATIONS • WIRING SPACE WITHIN ENCLOSURES

SUPPLEMENTARY INDOOR SHEET STEEL ENCLOSURES (NEMA TYPES 1 AND 1B)

50 Amperes E Frame—2 SN, 2 and 3 Poles—For Flush or Surface Mounting



LINE NO.	OUTLINE DIMENSIONS IN INCHES											CONDUIT SIZES IN INCHES			
	FLUSH		SURFACE		C	D	E	F	G	H	J	K	L	CA	CB CC, CD
	A	B	A	B											
1	11 ²⁹ / ₃₂	6 ⁶ / ₁₆	10 ²¹ / ₃₂	5 ⁵ / ₁₆	4 ⁷ / ₃₂	3 ²³ / ₃₂	8 ¹⁹ / ₃₂	2 ²⁹ / ₃₂	3 ¹ / ₁₆	1/2	...	5 ¹ / ₁₆	10 ¹³ / ₃₂	7/8x1 ¹ / ₂ x1 ²³ / ₃₂	7/8x1 ¹ / ₂ x1 ²³ / ₃₂
2	12 ³ / ₁₆	8 ¹ / ₁₆	11 ¹¹ / ₁₆	8 ³ / ₁₆	4 ⁷ / ₃₂	3 ²³ / ₃₂	9 ¹ / ₁₆	2 ²⁹ / ₃₂	4 ⁹ / ₁₆	1/2	...	6 ³ / ₁₆	11 ¹ / ₁₆		1 ¹³ / ₃₂ x1 ²³ / ₁₆ x1 ²⁹ / ₃₂
3	12 ³ / ₁₆	8 ³ / ₁₆	11 ¹¹ / ₁₆	7 ⁷ / ₁₆	4 ⁷ / ₃₂	3 ²³ / ₃₂	9 ¹ / ₁₆	2 ²⁹ / ₃₂	5 ⁹ / ₁₆	1/2	...	7 ⁷ / ₁₆	11 ¹ / ₁₆		1 ¹³ / ₃₂ x1 ²³ / ₁₆ x1 ²⁹ / ₃₂

LINE NO.	BREAKER FRAME SIZE AMPS.	POLES	*WIRING SPACE WITHIN ENCLOSURES				KNOCKOUT LOCATIONS				
			TOP	BOTTOM	LEFT SIDE	RIGHT SIDE	LA	LB	LC	LD	LE
1	50	2SN	2 ²⁹ / ₃₂	2	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₁₆	2 ²⁹ / ₃₂	1 ¹ / ₄	1 ¹ / ₁₆
2	50	2	2 ¹ / ₂	2 ¹ / ₂	2 ⁹ / ₁₆	1 ¹³ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₄	...	1 ¹ / ₁₆	1 ¹ / ₄
3	50	3	2 ¹ / ₂	2 ¹ / ₂	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₄	...	1 ¹ / ₁₆	1 ¹ / ₄

*Distance from breaker to walls of enclosure.

*Distance from breaker to walls of enclosure.

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Supersedes D.S. 30-230, page 13, dated October, 1948; page 14 is new information.

OCTOBER, 1951

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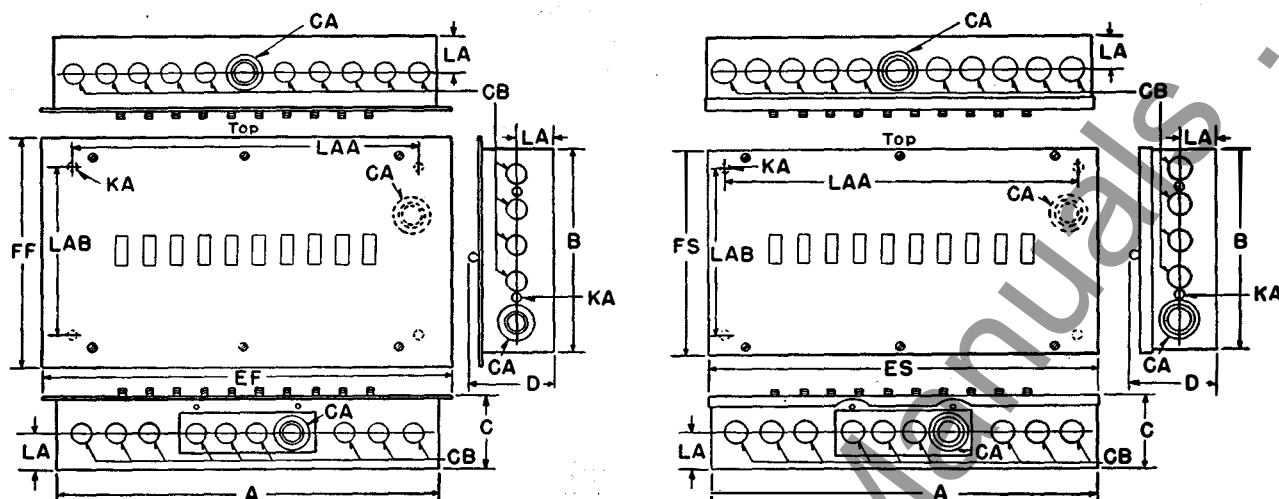
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DIMENSION SHEET
30-230

CIRCUIT PROTECTIVE EQUIPMENT **HEAVY DUTY NOFUZE "DE-ION" LOADCENTERS** **FOR LIGHTING, BRANCH DISTRIBUTION AND POWER CIRCUITS**



4-6-8-10 CIRCUIT LOADCENTER



LINE NO.	BOX COMB. STYLE NO	MAX. NO. POLES	OUTLINE DIMENSIONS IN INCHES							
			A	B	C	D	EF	FF	ES	FS
1	1107 165	4	11 1/8	11 1/4	4 1/16	4 7/16	12 3/4	12 3/4	11 3/4	11 1/2
2	1107 166	6	14 1/8	11 1/4	4 1/16	4 7/16	15 3/4	12 3/4	14 3/4	11 1/2
3	1107 167	8	17 3/8	11 1/4	4 1/16	4 7/16	19 3/4	12 3/4	17 3/4	11 1/2
4	1107 168	10	20 3/8	11 1/4	4 1/16	4 7/16	22 3/4	12 3/4	21 3/4	11 1/2
*WIRING SPACE WITHIN ENCLOSURE				KNOCKOUT LOCATIONS			CONDUIT SIZES			
TOP	BOTTOM	LEFT SIDE	RIGHT SIDE	LA	LAA	LAB	CA	CB	KA	
2 3/4	2 3/4	1 3/4	2 1/2	2	9 1/4	9 3/4	3/4 x 1 1/4	1/2 x 3/4	3/4	
2 3/4	2 3/4	1 3/4	2 1/2	2	12 1/4	9 3/4	3/4 x 1 1/4	1/2 x 3/4	3/4	
2 3/4	2 3/4	1 3/4	2 3/4	2	16	9 3/4	3/4 x 1 1/4	1/2 x 3/4	3/4	
2 3/4	2 3/4	1 3/4	2 3/4	2	19	9 3/4	3/4 x 1 1/4	1/2 x 3/4	3/4	

* Distance from breaker to walls of enclosure.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

NEW INFORMATION

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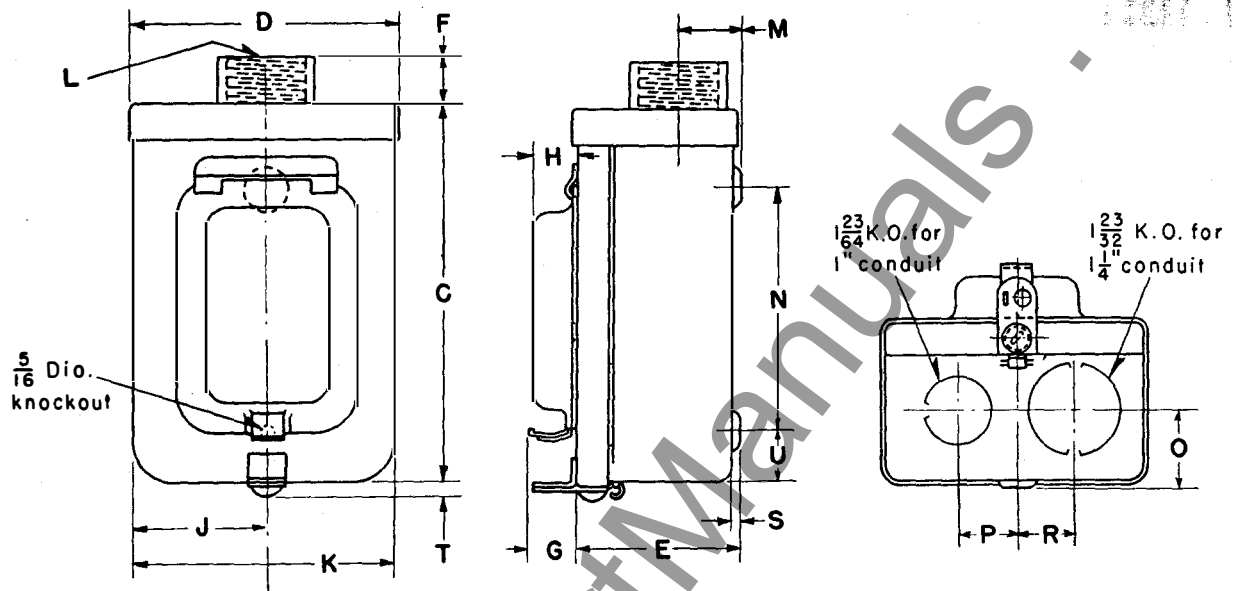
CIRCUIT PROTECTIVE EQUIPMENT OUTDOOR SERVICE CENTERS QUICKLAG BREAKERS

DIMENSION SHEET

30-230

PAGE
15

VOLTAGES—120 VOLTS AND 120/240 VOLTS A-C



DIMENSIONS CORRESPONDING TO LETTERS GIVEN IN OUTLINE VIEWS—IN INCHES

LINE NO.	BREAKER RATING	VOLTAGE	SERVICE	C	D	E	F	G	H	J	K	L†	M	N	O	P	R	S	T	U
1	1-35 Ampere Quicklag	120 Volts A-C	2W	7 ³ / ₁₆	5	3 ³ / ₈	7 ⁷ / ₈	1 ¹ / ₁₆	7 ⁷ / ₈	2 ¹ / ₃₂	4 ¹ / ₁₆	1 ¹ / ₄	1 ³ / ₄	4 ⁵ / ₈	1 ⁷ / ₁₆	1 ³ / ₈	1 ³ / ₈	1 ¹ / ₈	1 ¹ / ₄	1
2	2-35 Ampere Quicklags	120/ 240 Volts A-C	*3W	7 ³ / ₁₆	5	3 ³ / ₈	7 ⁷ / ₈	1 ¹ / ₁₆	7 ⁷ / ₈	2 ¹ / ₃₂	4 ¹ / ₁₆	1 ¹ / ₄	1 ³ / ₄	4 ⁵ / ₈	1 ⁷ / ₁₆	1 ³ / ₈	1 ³ / ₈	1 ¹ / ₈	1 ¹ / ₄	1
3	2-50 Ampere Quicklags	120/ 240 Volts A-C	*3W	7 ³ / ₁₆	5	3 ³ / ₈	7 ⁷ / ₈	1 ¹ / ₁₆	7 ⁷ / ₈	2 ¹ / ₃₂	4 ¹ / ₁₆	1 ¹ / ₄	1 ³ / ₄	4 ⁵ / ₈	1 ⁷ / ₁₆	1 ³ / ₈	1 ³ / ₈	1 ¹ / ₈	1 ¹ / ₄	1
LINE NO.	KO AND CONDUIT SIZES					WIRING SPACE WITHIN ENCLOSURES														
	BOTTOM END					1 POLE					TOP		BOTTOM		LEFT SIDE					
											1½		1¼		1¼					
1, 2 3	1—1 ²³ / ₃₂ K.O. for 1 in. Conduit 1—1 ²³ / ₃₂ K.O. for 1¼ in. Conduit					2 Pole					1½		1¼		2½					

* 120/240 volts means 120 volts to ground unless otherwise noted.

† CONDUIT HUBS—All ratings available with either 1¹/₄ in. conduit hubs or 1¹/₄ in. conduit nipples.

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NEW INFORMATION

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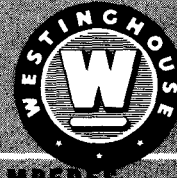
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OCTOBER, 1951

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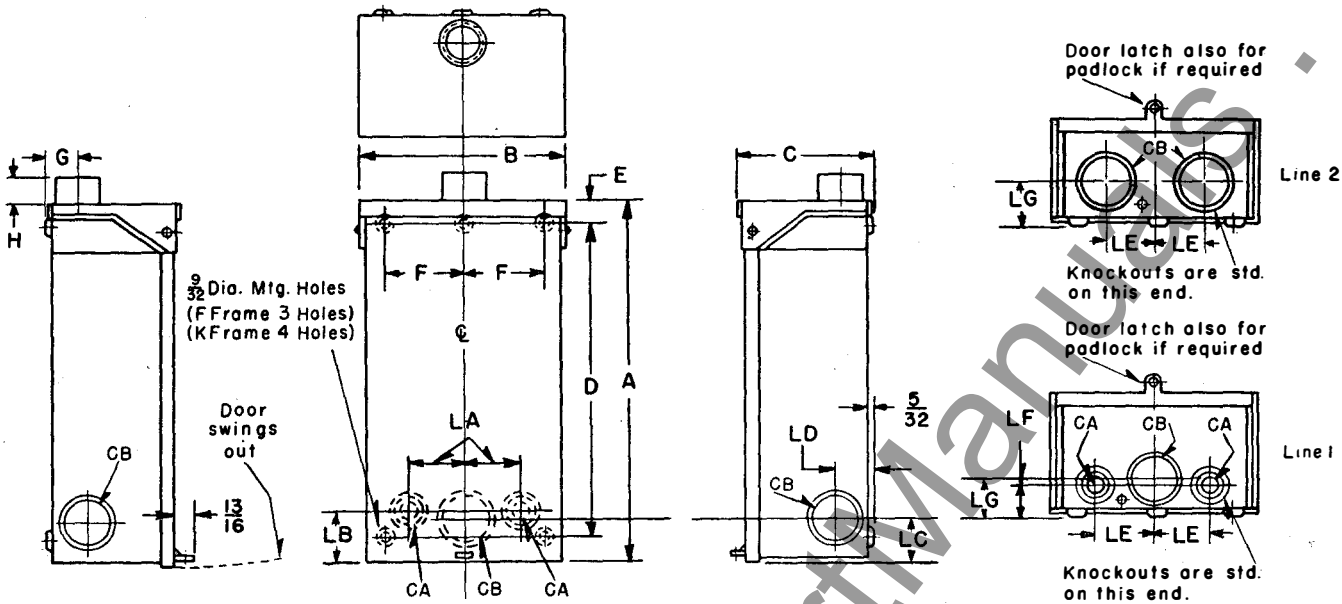
CIRCUIT PROTECTIVE EQUIPMENT OUTDOOR SERVICE CENTERS AB-1 DE-ION BREAKERS

FRAMES F AND K • RAIN-TIGHT • 2 AND 3 POLE • 70 TO 200 AMPERES



PAGE
16

DIMENSION SHEET
30-230



DIMENSIONS CORRESPONDING TO LETTERS GIVEN IN OUTLINE VIEWS—IN INCHES

LINE NO.	A	B	C	D	E	F	KNOCKOUT LOCATIONS						
							LA	LB	LC	LD	LE	LF	LG
1	17 $\frac{1}{4}$	9 $\frac{23}{32}$	5 $\frac{31}{32}$	15	1 $\frac{1}{16}$	3 $\frac{3}{8}$	2 $\frac{5}{8}$	2 $\frac{7}{16}$	2 $\frac{1}{8}$	1 $\frac{23}{32}$	2 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{25}{32}$
2	26 $\frac{5}{16}$	12 $\frac{25}{32}$	6 $\frac{3}{4}$	24 $\frac{1}{2}$	1 $\frac{1}{16}$	5 $\frac{1}{4}$	4	3 $\frac{1}{4}$	3 $\frac{1}{4}$	2 $\frac{35}{64}$	3	2 $\frac{3}{4}$	2 $\frac{35}{64}$

LINE NO.	CONDUIT SIZES IN INCHES			DIMENSIONS IN INCHES		
	CA	CB	CD	HUB SIZE (INCHES)	G	H
1	$\frac{1}{2}$ - $\frac{3}{4}$ -1-1 $\frac{1}{4}$	1 $\frac{1}{2}$ -2	1 $\frac{1}{2}$ -2	1 $\frac{1}{4}$ Nipple 1 $\frac{1}{2}$ or 1 $\frac{1}{4}$	2 $\frac{1}{16}$ 2 $\frac{1}{16}$ 2 $\frac{1}{8}$	3 $\frac{7}{16}$ 1 $\frac{1}{4}$ 1 $\frac{1}{4}$
2	1 $\frac{1}{2}$ -2	2 $\frac{1}{2}$ -3		2 2 $\frac{1}{2}$ 3	2 $\frac{1}{16}$ 2 $\frac{1}{16}$ 2 $\frac{3}{16}$	2 2 2

WIRING SPACE WITHIN ENCLOSURES IN INCHES									
F-FRAME					K-FRAME				
NO. OF POLES	TOP	BOTTOM	RIGHT SIDE	LEFT SIDE	NO. OF POLES	TOP	BOTTOM	RIGHT SIDE	LEFT SIDE
2 Pole	3 $\frac{3}{8}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$	2 Pole	6	5	1 $\frac{1}{8}$	4 $\frac{1}{8}$
3 Pole Solid Neutral	3 $\frac{3}{8}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$	3 Pole Solid Neutral	6	5	1 $\frac{1}{8}$	2 $\frac{1}{8}$
3 Pole	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3 Pole	6	5	1 $\frac{1}{8}$	1 $\frac{1}{8}$
4 Pole Solid Neutral	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	4 Pole Solid Neutral	6	5	1 $\frac{1}{8}$	0

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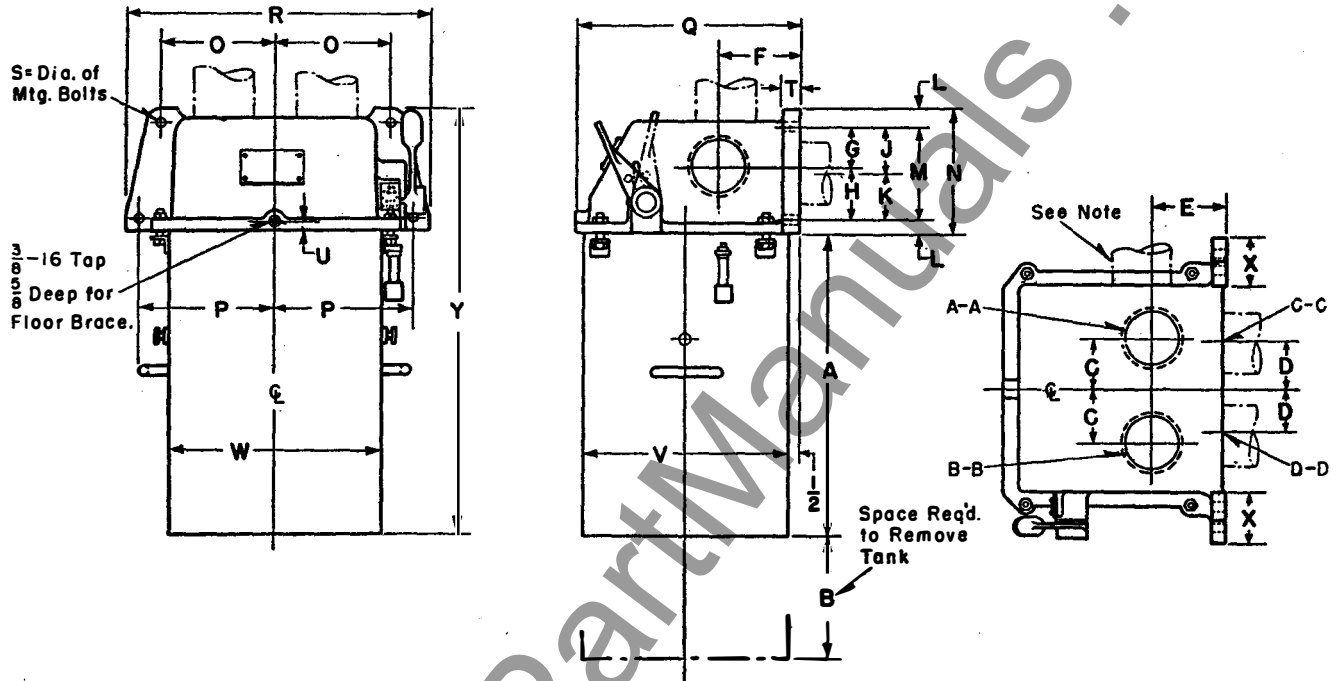
OIL IMMERSED CIRCUIT BREAKERS—TYPE AB-1 INSTANTANEOUS MAGNETIC TRIP

DIMENSION SHEET

30-230

PAGE
17

600 VOLTS



DIMENSIONS CORRESPONDING TO LETTERS GIVEN IN OUTLINE VIEWS—IN INCHES

LINE NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CONDUIT ^{††} DRILLING SIZES			
																									AA	BB	CC	DD
1	19 1/4	18 1/2	2 1/2	2 1/2	3 1/4	3 1/4	2 5/8	4 1/8	3 3/8	3 3/8	5 1/8	6 3/8	8	6 3/8	8 3/8	10	18	1 1/2	5 1/8	5 1/8	9 3/16	13 1/4	3 1/4	27 1/4	2 1/2	2 1/2	2 1/2	2 1/2
2	19 1/4	18 1/2	2 1/2	2 1/2	3 1/4	3 1/4	2 5/8	4 1/8	3 3/8	3 3/8	5 1/8	6 3/8	8	6 3/8	8 3/8	10	18	1 1/2	5 1/8	5 1/8	9 3/16	13 1/4	3 1/4	27 1/4	2 1/2	2 1/2	2 1/2	2 1/2
3	25 3/8	24 1/2	3 1/4	2 3/4	4	4 7/8	3 1/4	4 3/4	4	4	4	8	9 1/2	7 7/8	8 7/8	14	19 1/4	5 7/8	5 7/8	13 3/16	14	2 3/4	34 7/8	4	4	4	4	4
4	31 3/8	31	3 1/4	2 3/4	4	4 7/8	3 1/4	4 3/4	4	4	4	8	9 1/2	7 7/8	8 7/8	14	19 1/4	5 7/8	5 7/8	13 3/16	14	2 3/4	41 3/8	4	4	4	4	4

†† When smaller conduit sizes are to be used it is recommended that reducers be used.

NOTE: Will provide special side drilling if required, same size as regular conduit drilling.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

Supersedes D.S. 30-230, page 17, dated October, 1951

JULY, 1952

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CIRCUIT PROTECTIVE EQUIPMENT NOFUZE DE-ION CIRCUIT BREAKERS ENCLOSED TYPE AB-I

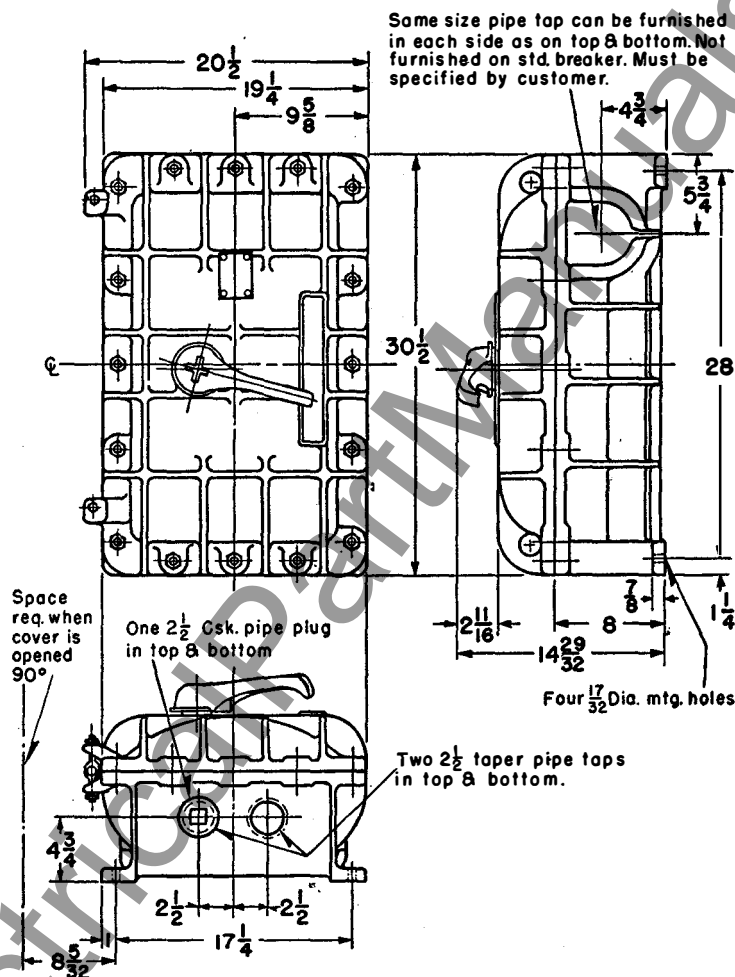
DIMENSION SHEET

30-230

PAGE
19

CONDUIT SIZES

WIRING SPACE WITHIN ENCLOSURES

CAST IRON ENCLOSURES FOR CLASS I, GROUP D, HAZARDOUS LOCATIONS (NEMA TYPE 7)**225 Amperes K Frame for Voltage Up to 600 A-C and 250 D-C**

WIRING SPACE WITHIN ENCLOSURE

No. of Poles	Top	Bottom	Left Side	Right Side
2	4½	4½	5	2¼
3	4½	4½	2¼	2¼

NOTES ON CONDUITS

Note 1. When smaller conduit size is required, a reducer must be used. (Furnished by the customer.)

Note 2. Maximum size of conduit holes 3 inches. Drilled only when specified by customer.

NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IDENTIFIED.

Supersedes Dimension Sheet 30-230 page 19, dated January, 1952

AUGUST, 1952

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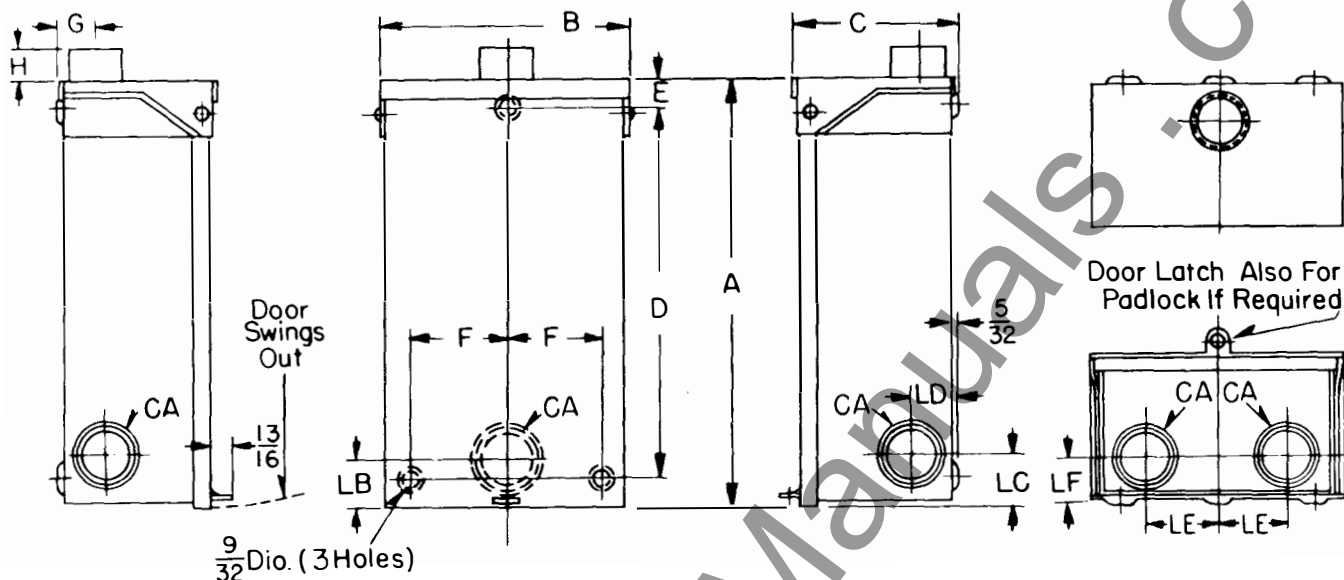
nofuze de-ion circuit breakers raintight enclosure • NEMA III

15 to 100 amperes E frame
120 volts a-c

dimension
sheet

30-230

page 21



dimensions, inches • not to be used for construction purposes unless dimensions are approved

line no.	breaker rating	outline dimensions						knockout locations				
		A	B	C	D	E	F	LB	LC	LD	LE	LF
1	15-50 amperes	11 $\frac{1}{4}$	6 $\frac{7}{8}$	4 $\frac{7}{8}$	9 $\frac{5}{8}$	1 $\frac{1}{8}$	2 $\frac{1}{4}$	1 $\frac{5}{8}$	2 $\frac{1}{8}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$
2	70-100 amperes	13 $\frac{1}{4}$	7 $\frac{1}{4}$	4 $\frac{7}{8}$	11 $\frac{1}{8}$	1 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$
line no.	conduit size		dimensions									
	CA		hub size ▲		G			H				
1	$\frac{3}{4} \times 1 \times 1\frac{1}{4}$		1 $\frac{1}{4}$		2 $\frac{1}{8}$			1 $\frac{1}{4}$				
2	$1\frac{1}{4} \times 1\frac{1}{2} \times 2$		2		2 $\frac{1}{8}$			1 $\frac{1}{4}$				

▲ If smaller hub size is required, reducer will be furnished. Pipe plug will be supplied if hub is not required.

wiring space within enclosures

poles	15-50 amperes				70-100 amperes			
	top	bottom	left	right	top	bottom	left	right
2SN	2 $\frac{3}{8}$	3	1 $\frac{1}{2}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	1 $\frac{1}{8}$	2 $\frac{3}{8}$
2	2 $\frac{3}{8}$	3	2 $\frac{3}{4}$	$\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	2 $\frac{3}{4}$	1 $\frac{1}{4}$
3SN	2 $\frac{3}{8}$	3	1 $\frac{1}{2}$	$\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$
3	2 $\frac{3}{8}$	3	1 $\frac{3}{8}$	$\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{4}$
4SN	2 $\frac{3}{8}$	3	...	$\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	...	1 $\frac{1}{4}$

reproduced from drawing 27-D-4120

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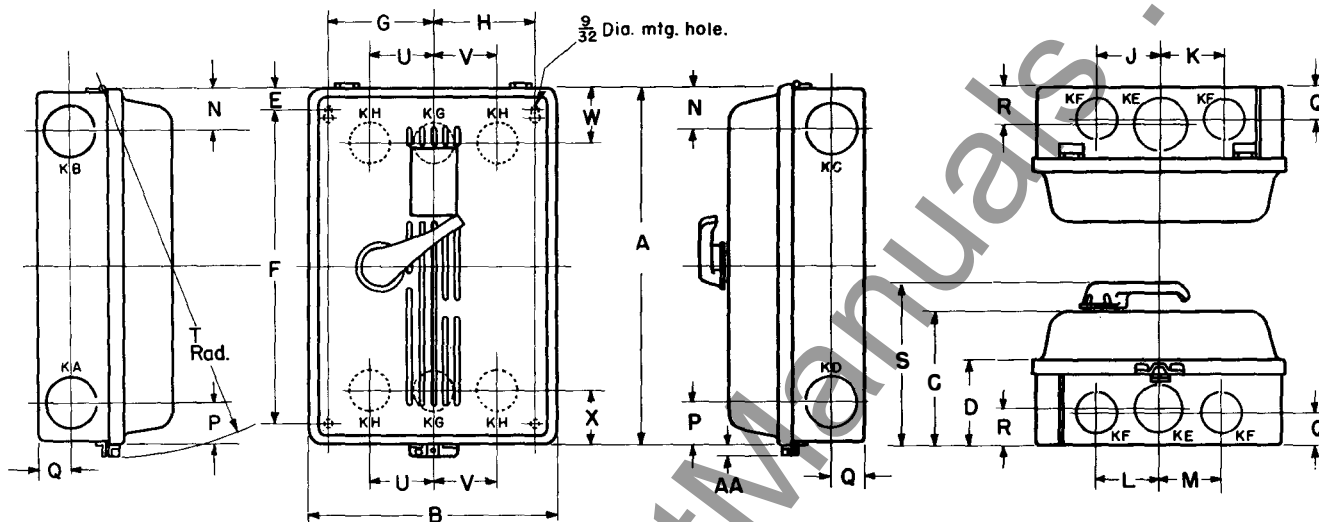
nofuze de-ion circuit breakers dust-resisting enclosures • NEMA 1A

100 ampere E frame and 225 ampere J frame
up to 600 volts a-c; 250 volts c-d

dimension
sheet

30-230

page 23



dimensions, inches • not to be used for construction purposes unless dimensions are approved

line no.	breaker rating	amperes	maximum volts		poles	outline dimensions									
			A-C	D-C		A	B	C	D	E	F	G	H	I	J
1	100 A "E" Frame	70-90-100	120	125	2SN	13 ¹ / ₈	8 ¹ / ₂	6 ¹ / ₄	4 ⁵ / ₈	1 ⁵ / ₈	10 ⁷ / ₈	2 ⁷ / ₈	2 ³ / ₈	1 ¹ / ₈	
			240	125/250	2-3-3SN-4SN										
2	225 A "J" Frame	225	600	250	2-3-3SN-4SN	19 ³ / ₈	13 ³ / ₈	8 ¹ / ₈	5 ¹ / ₈	1 ¹ / ₂	16 ³ / ₈	5 ¹ / ₈	5 ¹ / ₈	2 ³ / ₈	
line no.	breaker rating	outline dimensions													
		K	L	M	N	P	Q	R	S	T	U	V	W	X	AA
1	100 A "E" Frame	1 ⁵ / ₈	1 ¹ / ₈	1 ⁵ / ₈	2 ¹ / ₈	2 ³ / ₈	1 ³ / ₄	..	7 ⁷ / ₈	13 ³ / ₄	..	..	1 ³ / ₄	1 ³ / ₄	⁵ / ₈
2	225 A "J" Frame	2 ⁵ / ₈	2 ³ / ₈	2 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	2 ³ / ₈	..	9 ⁷ / ₈	19 ³ / ₄	2	2	2 ³ / ₄	2 ³ / ₄	⁵ / ₈

conduit sizes in inches

line no.	KA	KB	KC	KD	KE	KF	KG	KH
1	1 ¹ / ₄ x 1 ¹ / ₂ x 2	1 ¹ / ₄ x 1 ¹ / ₂ x 2	1 ¹ / ₄ x 1 ¹ / ₂ x 2	1 ¹ / ₄ x 1 ¹ / ₂ x 2	..	1 ¹ / ₄ x 1 ¹ / ₂ x 2	1 x 1 ¹ / ₄ x 1 ¹ / ₂	..
2	1 ¹ / ₂ x 2 x 2 ¹ / ₂	1 ¹ / ₂ x 2 x 2 ¹ / ₂	1 ¹ / ₂ x 2 x 2 ¹ / ₂	1 ¹ / ₂ x 2 x 2 ¹ / ₂	..	2 x 2 ¹ / ₂ x 3	..	1 ¹ / ₂ x 2 x 2 ¹ / ₂

wiring space within enclosures

line no.	poles	top	bottom	left♦	left	Right
1	2SN	3 ¹ / ₈	3 ¹ / ₈	2 ⁵ / ₈	..	3 ¹ / ₈
	3SN	3 ¹ / ₈	3 ¹ / ₈	2 ⁵ / ₈	..	1 ³ / ₄
	4SN	3 ¹ / ₈	3 ¹ / ₈	1 ⁵ / ₈	..	1 ³ / ₄
	2	3 ¹ / ₈	3 ¹ / ₈	..	3 ³ / ₈	1 ³ / ₄
	3	3 ¹ / ₈	3 ¹ / ₈	..	2 ³ / ₈	1 ³ / ₄
2	2-3SN	..	..	..	..	..
	3-4SN	4 ¹ / ₂	4 ¹ / ₈	..	2 ¹ / ₈	2 ¹ / ₄

♦ wiring space available with neutral installed

reproduced from drawing 36-A-4427

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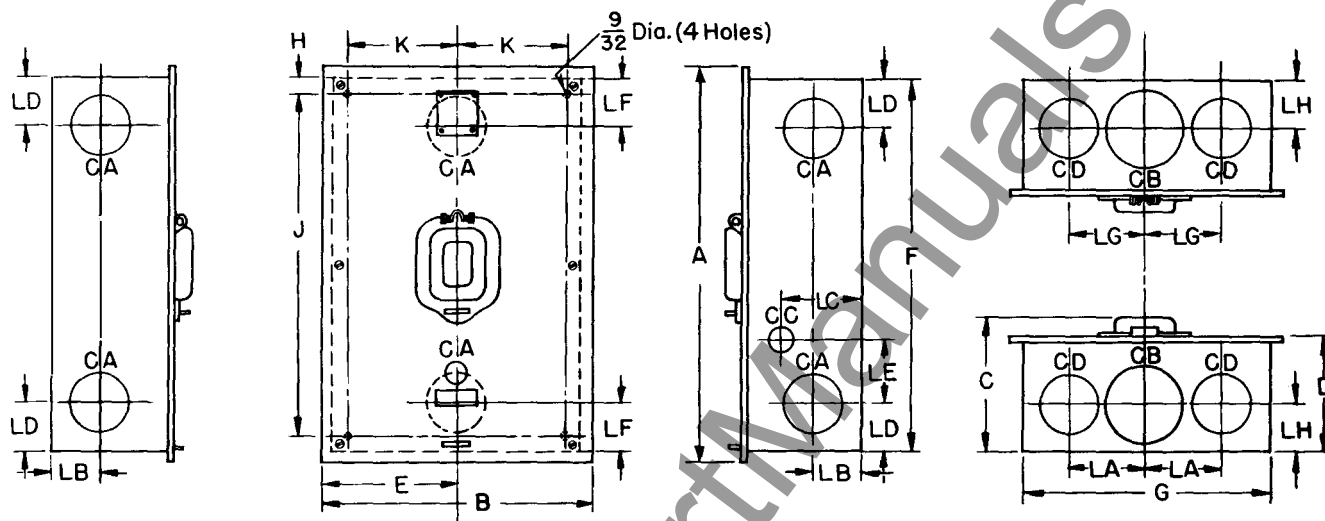
notuze de-ion circuit breakers flush mounting enclosure • NEMA 1B

100 ampere E frame, 225 ampere J frame
up to 240 volts a-c; 125/250 volts d-c

dimension
sheet

30-230

page 25



dimensions, inches • not to be used for construction purposes unless dimensions are approved

line no.	outline dimensions										conduit size in inches			
	A	B	C	D	E	F	G	H	J	K	CA	CB	CC	CD
1	14	8 $\frac{7}{8}$	4 $\frac{3}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{6}$	12 $\frac{1}{2}$	7 $\frac{3}{8}$	1 $\frac{1}{6}$	10 $\frac{1}{6}$	2 $\frac{3}{8}$	1 $\frac{1}{4}$ x 1 $\frac{1}{2}$ x 2	..	$\frac{1}{2}$	1 $\frac{1}{4}$ x 1 $\frac{1}{2}$ x 2
2	20 $\frac{1}{6}$	14 $\frac{1}{6}$	6 $\frac{1}{6}$	4 $\frac{1}{6}$	7 $\frac{1}{6}$	18 $\frac{1}{6}$	13 $\frac{1}{6}$	1 $\frac{1}{6}$	16 $\frac{1}{6}$	5 $\frac{1}{6}$	1 $\frac{1}{2}$ x 2 x 2 $\frac{1}{2}$	..	$\frac{1}{2}$	2 x 2 $\frac{1}{2}$ x 3

line no.	breaker rating	poles	wiring space within enclosure				knockout locations									
			top	bottom	left	right	LA	LB	LC	LD	LE	LF	LG	LH		
1	70-90-100 Amp "E" Frame	3SN-4SN	3	3 $\frac{3}{8}$	..	1 $\frac{1}{6}$	1 $\frac{1}{6}$	1 $\frac{3}{4}$	2 $\frac{1}{6}$	1 $\frac{3}{4}$	2 $\frac{1}{6}$	1 $\frac{1}{6}$	1 $\frac{1}{6}$	1 $\frac{3}{4}$		
2	225 "J" Frame	3SN-4SN	4 $\frac{1}{6}$	4 $\frac{1}{6}$	..	2 $\frac{1}{6}$	3	2 $\frac{1}{6}$	3 $\frac{1}{6}$	2 $\frac{1}{6}$	3 $\frac{1}{2}$	2 $\frac{1}{6}$	2 $\frac{1}{6}$	2 $\frac{1}{6}$		

reproduced from drawing 39-A-5714

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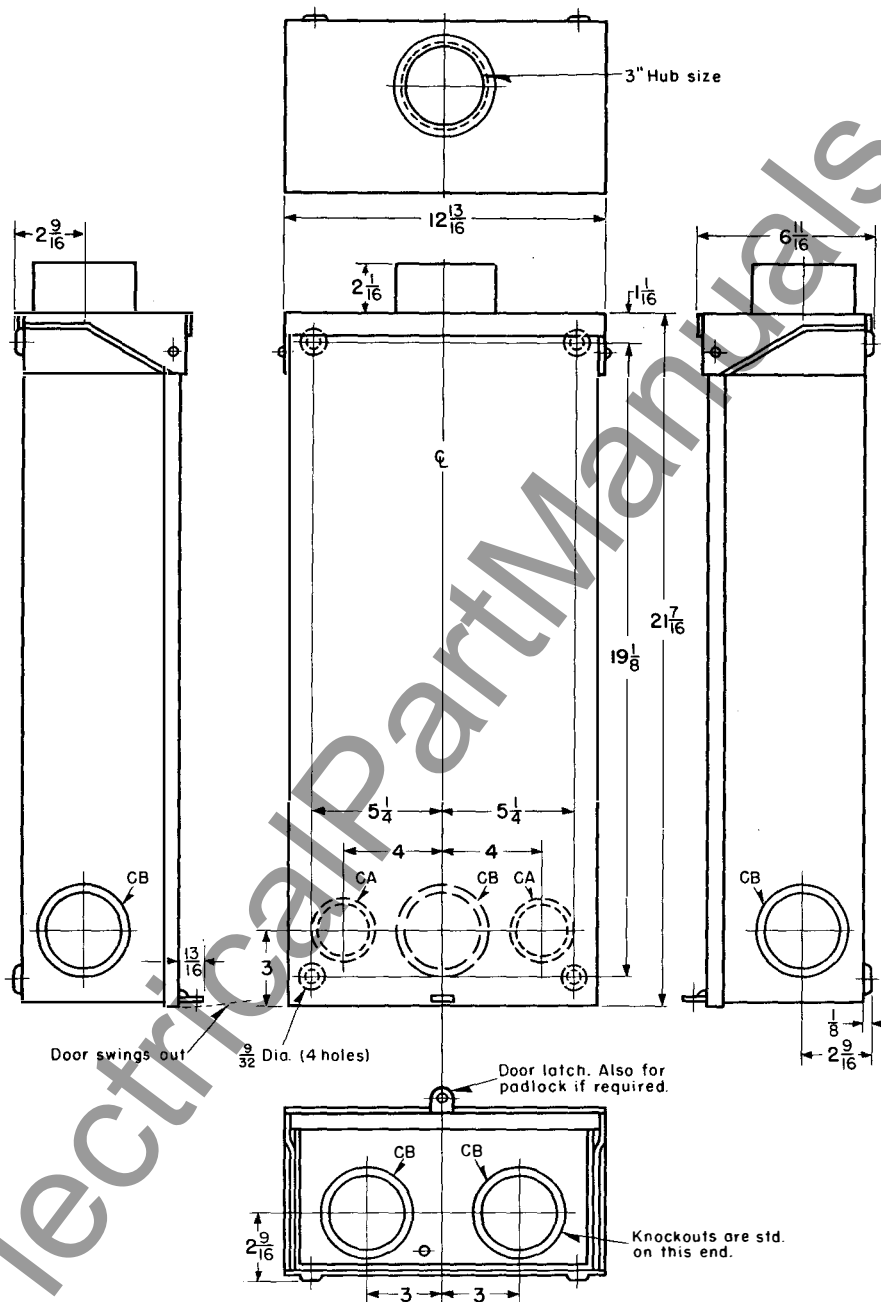
nofuze de-ion circuit breakers **raintight enclosure • NEMA III**

125 to 225 ampere J frame
 600 volts a-c; 250 volts d-c

dimension
 sheet

30-230

page 27



dimensions, inches • not to be used for construction purposes unless dimensions are approved

conduit size in inches		wiring space within enclosure				
A	B	poles	top	bottom	left	right
1 1/2-2	2 1/2-3	2-3	5 7/8	5	2	2
		3SN-4SN	5 7/8	5	..	2

Standard hub size is 3 inches. Plug will be supplied if hub is not desired. Reducers will be supplied if 2 or 2 1/2 inch hub is required.

reproduced from drawing 27-D-4258

October, 1953
 new information
 mailed to: E42-2H; D63-2D; C26-2B; CHH

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