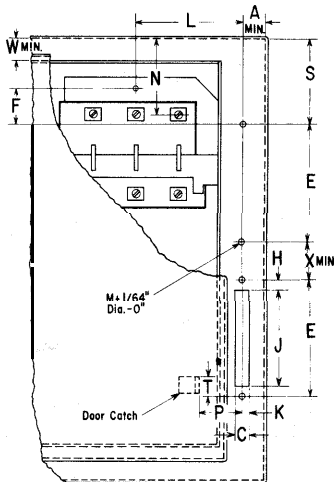




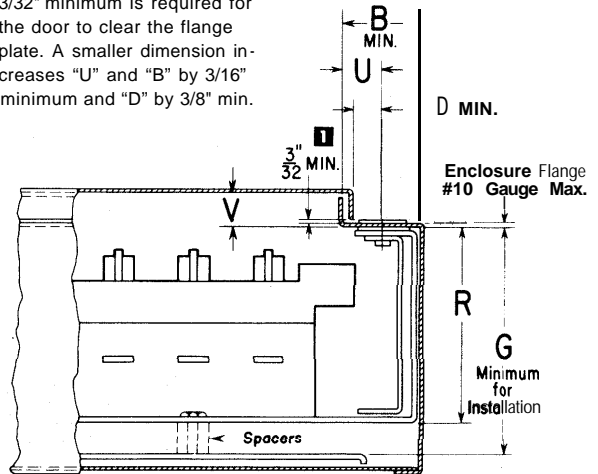
FLANGE MOUNTED DISCONNECT SWITCHES REMOTE OPERATED

NOTE: All drawings in this instruction sheet are for a right-hand flange installation. The left-hand flange installation layout is a mirror image of the right-hand flange installation layout.

ENCLOSURE CONSTRUCTION



1 3/32" minimum is required for the door to clear the flange plate. A smaller dimension increases "U" and "B" by 3/16" minimum and "D" by 3/8" min.

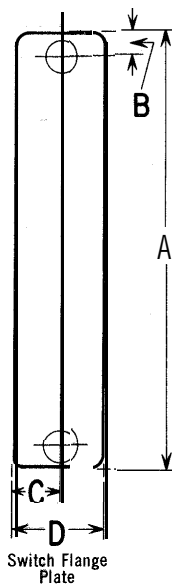
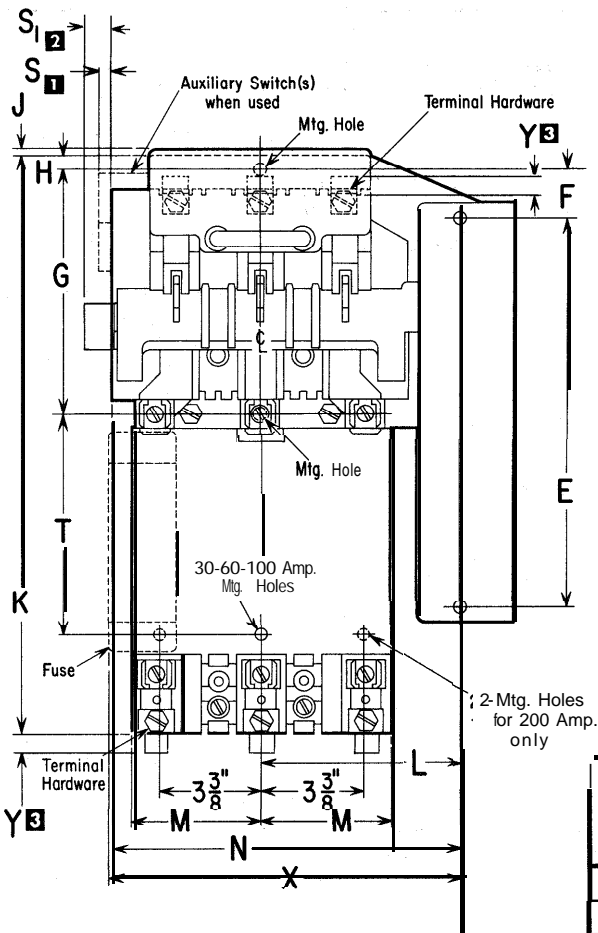
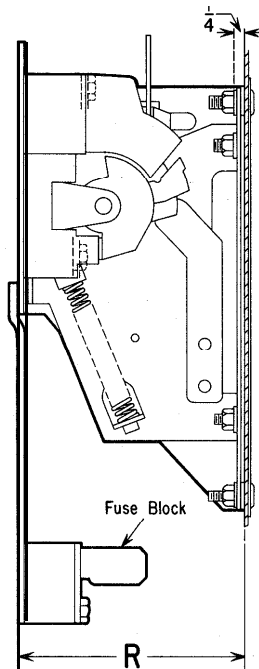


NEMA Size	Dimensions In Inches																						
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U MIN.	U MAX.	U	V	W	X MIN.
WITHOUT DOOR HARDWARE																							
30A	1 ³ / ₁₆	2 ¹ / ₄	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ⁷ / ₁₆	2 ¹ / ₈	4 ³¹ / ₃₂	2 ³ / ₄	2 ⁹ / ₁₆	1 ¹ / ₁₆	1 ⁷ / ₁₆	—	7/8	—	1 ¹ / ₈
60A	1 ³ / ₁₆	2 ¹ / ₄	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ³ / ₈	2 ¹ / ₈	4 ³¹ / ₃₂	2 ³ / ₄	2 ⁹ / ₁₆	1 ¹ / ₁₆	1 ⁷ / ₁₆	—	7/8	—	1 ¹ / ₈
100A	1 ³ / ₁₆	2 ¹ / ₄	1 ⁷ / ₁₆	5/8	8.500	2 ¹⁵ / ₁₆	8 ¹ / ₂	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ¹¹ / ₁₆	9/32	3 ²³ / ₆₄	2 ¹ / ₈	7 ¹ / ₆₄	5 ⁵ / ₁₆	2 ⁹ / ₁₆	1 ¹ / ₁₆	1 ⁷ / ₁₆	—	7/8	—	6 ¹ / ₄
200A	1 ¹ / ₄	2 ⁵ / ₈	1 ¹¹ / ₁₆	1 ¹ / ₁₆	11.125	2 ¹⁵ / ₁₆	9	1 ³ / ₁₆	9 ¹ / ₂	2 ⁷ / ₃₂	6 ³ / ₄	1 ¹ / ₃₂	4 ¹⁵ / ₃₂	2 ⁹ / ₃₂	7 ¹ / ₁₆	6 ⁵ / ₁₆	2 ¹ / ₂	1 ¹ / ₈	1 ⁷ / ₁₆	—	7/8	—	7 ³ / ₁₆
SMALL & INTERMEDIATE ENCLOSURES WITH DOOR HARDWARE																							
30A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ⁷ / ₁₆	2 ⁵ / ₃₂	4 ³¹ / ₃₂	2 ³ / ₄	2 ¹ / ₈	—	—	1 ³ / ₈	7/8	1 ¹ / ₁₆	1 ¹ / ₈
60A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ³ / ₈	2 ⁵ / ₃₂	4 ³¹ / ₃₂	2 ³ / ₄	2 ¹ / ₈	—	—	1 ³ / ₈	7/8	1 ¹ / ₁₆	1 ¹ / ₈
100A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	2 ¹⁵ / ₁₆	8 ¹ / ₂	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ¹¹ / ₁₆	9/32	3 ²³ / ₆₄	2 ⁵ / ₃₂	7 ¹ / ₆₄	5 ⁵ / ₁₆	2 ¹ / ₈	—	—	1 ³ / ₈	7/8	1 ¹ / ₁₆	6 ¹ / ₄
200A	1 ¹ / ₄	2 ⁵ / ₈	1 ¹¹ / ₁₆	1 ¹ / ₁₆	11.125	2 ¹⁵ / ₁₆	9	1 ³ / ₁₆	9 ¹ / ₂	2 ⁷ / ₃₂	6 ³ / ₄	1 ¹ / ₃₂	4 ¹⁵ / ₃₂	2 ⁵ / ₁₆	7 ¹ / ₁₆	6 ⁵ / ₁₆	2 ¹ / ₈	—	—	1 ³ / ₈	7/8	1 ¹ / ₁₆	7 ³ / ₁₆
LARGE ENCLOSURES WITH DOOR HARDWARE																							
30A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ⁷ / ₁₆	2 ¹ / ₄	4 ³¹ / ₃₂	2 ³ / ₄	1 ⁹ / ₁₆	—	—	1 ³ / ₈	1 ¹ / ₄	1 ¹ / ₈	1 ¹ / ₈
60A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	1 ¹ / ₁₆	6 ³ / ₈	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ⁵ / ₁₆	9/32	2 ³ / ₈	2 ¹ / ₄	4 ³¹ / ₃₂	2 ³ / ₄	1 ⁹ / ₁₆	—	—	1 ³ / ₈	1 ¹ / ₄	1 ¹ / ₈	1 ¹ / ₈
100A	1 ³ / ₁₆	2 ⁹ / ₁₆	1 ⁷ / ₁₆	5/8	8.500	2 ¹⁵ / ₁₆	8 ¹ / ₂	1 ⁵ / ₃₂	7 ³ / ₁₆	2 ³ / ₃₂	4 ¹¹ / ₁₆	9/32	3 ²³ / ₆₄	2 ¹ / ₄	7 ¹ / ₆₄	5 ⁵ / ₁₆	1 ⁹ / ₁₆	—	—	1 ³ / ₈	1 ¹ / ₄	1 ¹ / ₈	6 ¹ / ₄
200A	1 ¹ / ₄	2 ⁵ / ₈	1 ¹¹ / ₁₆	1 ¹ / ₁₆	11.125	2 ¹⁵ / ₁₆	9	1 ³ / ₁₆	9 ¹ / ₂	2 ⁷ / ₃₂	6 ³ / ₄	1 ¹ / ₃₂	4 ¹⁵ / ₃₂	2 ¹¹ / ₃₂	7 ¹ / ₁₆	6 ⁵ / ₁₆	1 ⁹ / ₁₆	—	—	1 ³ / ₈	1 ¹ / ₄	1 ¹ / ₈	7 ³ / ₁₆

- Select the dimension table which applies to your enclosure.
- Determine the enclosure flange width "B" and the mounting depth "G" to ensure the cabinet is at least as large as these minimum values.
- Determine the desired Dimension "S". Values specified for "S" will provide "N" distance from the centerline of the disconnect switch line terminals to the inside wall of enclosure. Any change in "S" will cause an identical change in "N".
- Provide slot and mounting holes on the right hand flange as indicated. NOTE: Location of holes in enclosure mounting plate for disconnect switch and fuse block adapter plate can be determined from line drawings on Page 2.
- Locate door catch using "P" and "T". NOTE: With enclosures using door hardware disregard the door catch supplied with disconnect, instead, use door catch furnished with door hardware and refer to Page 6 for additional door catch instructions.

FUSIBLE SWITCH AND FUSE BLOCK KIT

Metal parts must not extend below this line above disconnect switch. Refer to "G" dimension.

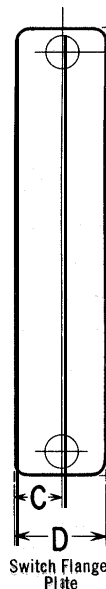
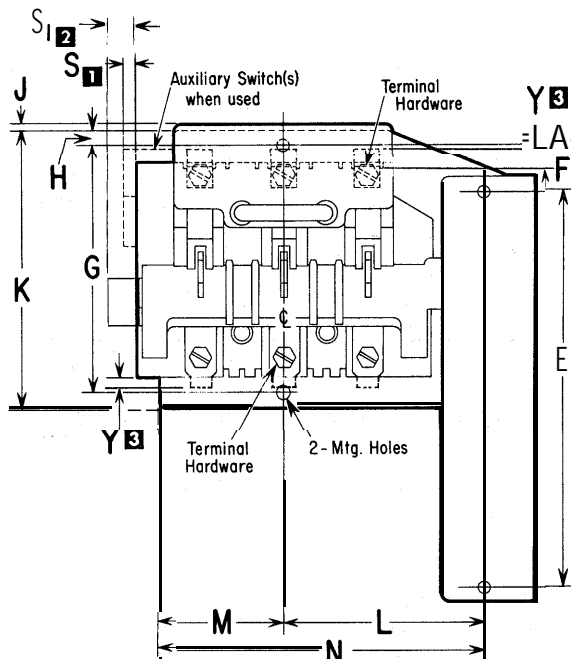
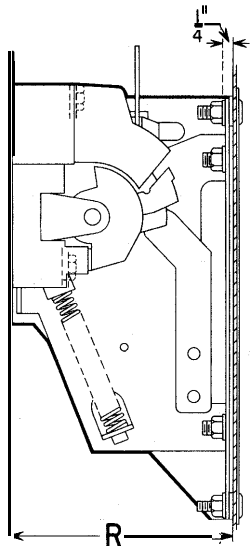


NEMA Size	HARDWARE	
	Terminal	Switch Mounting
30A	#10-32	#1/4
60A	#1/4-28	#1/4
100A	#5/16-24	#1/4
200A	#3/8-24	#5/16

- Dimension "S" is for right-hand flange construction.
- Dimension "S₁" is for left-hand flange construction.
- Dimension "Y" is for ALLEN-BRADLEY pressure connectors only.

Metal parts must not extend below this line above disconnect switch. Refer to "G" dimension.

UNFUSED SWITCH



- Dimension "S" is for right-hand flange construction.
- Dimension "S₁" is for left-hand flange construction.
- Dimension "Y" is for ALLEN-BRADLEY pressure connectors only.

Refer to Dimensions Page 3.

DIMENSIONS

NEMA Size	Fuse Clip	Class	'Dimensions In Inches																			
			A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	S ₁	T	X	Y	
30A	Unfused	—	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	5 ¹⁵ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	—	
	30A-250V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	7 ¹³ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	—	
	60A-250V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	8 ⁹ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	—	
	30A-600V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	10 ⁹ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	2 ¹³ / ₁₆	—	—	
	60A-600V	H	9 ¹ / ₂	1/4	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	11 ¹ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	3 ⁵ / ₁₆	—	—	
	30A-600V	J	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	7 ¹³ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	—	
	60A-600V	J	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	—	7 ¹⁵ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	—	
60A	Unfused	—	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	5 ¹⁵ / ₁₆	4 ⁵ / ₁₆	2 ¹¹ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	5/8	
	30A-600V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	11 ¹ / ₈	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	3 ³ / ₈	—	3/8	
	60A-250V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	9 ¹ / ₈	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	5/8	
	100A-250V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/4	11 ⁵ / ₈	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	3 ⁷ / ₈	7 ⁷ / ₁₆	5/8	
	60A-600V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	11 ⁵ / ₈	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	3 ⁷ / ₈	—	3/8	
	100A-600V	H	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	13 ⁵ / ₈	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	5 ⁷ / ₈	7 ⁹ / ₁₆	5/8	
	600A-600V	J	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	8 ¹ / ₂	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	—	—	5/8	
100A-600V	J	9 ¹ / ₂	1/2	15 ¹ / ₁₆	17/8	8 ¹ / ₂	11 ¹ / ₁₆	5 ¹⁵ / ₁₆	5 ¹ / ₁₆	1/8	10 ⁷ / ₁₆	4 ⁵ / ₁₆	2 ²⁵ / ₃₂	7 ¹ / ₂	4 ³¹ / ₃₂	9 ¹ / ₁₆	9 ¹ / ₁₆	2 ¹¹ / ₁₆	7 ¹³ / ₃₂	3/8		
100A	Unfused	—	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	10 ¹ / ₂	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	—	—	1 ⁵ / ₃₂	
	100A-250V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	13 ¹³ / ₁₆	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	3 ¹ / ₂	8 ⁵ / ₁₆	13 ¹ / ₁₆	
	200A-250V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	1/16	14 ¹¹ / ₁₆	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	4 ³ / ₈	8 ⁹ / ₁₆	13 ¹ / ₁₆	
	100A-600V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	1/16	15 ¹³ / ₁₆	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	5 ¹ / ₂	8 ⁷ / ₁₆	13 ¹ / ₁₆	
	200A-600V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	1/16	17 ³ / ₄	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	6 ⁷ / ₈	8 ¹¹ / ₁₆	13 ¹ / ₁₆	
	100A-600V	J	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	3/8	1/16	12 ⁵ / ₈	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	5 ¹ / ₈	2 ⁵ / ₁₆	8 ⁹ / ₃₂	13 ¹ / ₁₆
	200A-600V	J	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	3/8	1/16	13 ³ / ₈	6 ¹ / ₁₆	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	5 ¹ / ₈	3 ¹ / ₁₆	8 ¹ / ₂	13 ¹ / ₁₆
200A	Unfused	—	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	10 ¹ / ₂	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	—	—	1 ⁵ / ₃₂	
	200A-250V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	17 ³ / ₁₆	6 ¹ / ₁₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	3 ¹ / ₂	11 ¹ / ₄	1 ⁵ / ₃₂	
	400A-250V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	18 ¹¹ / ₁₆	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	5	11 ³ / ₄	1 ⁵ / ₃₂	
	200A-600V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	19 ¹¹ / ₁₆	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	6	11 ³ / ₈	1 ⁵ / ₃₂	
	400A-600V	H	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	21 ¹¹ / ₁₆	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	8	12	1 ⁵ / ₃₂	
	200A-600V	J	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	15 ⁷ / ₈	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	2 ³ / ₁₆	11 ¹ / ₁₆	1 ⁵ / ₃₂	
	400A-600V	J	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	2 ¹⁵ / ₁₆	9 ⁵ / ₈	7 ¹ / ₁₆	7 ¹ / ₁₆	17 ³ / ₁₆	6 ³ / ₄	4 ³ / ₈	11 ³ / ₈	7 ¹ / ₁₆	13 ¹ / ₁₆	13 ¹ / ₁₆	3 ¹ / ₄	11 ⁵ / ₈	1 ⁵ / ₃₂	

DISCONNECT SWITCH AND FUSE BLOCK KIT INSTALLATION INSTRUCTIONS

Unfused and Fusible Disconnect Switches

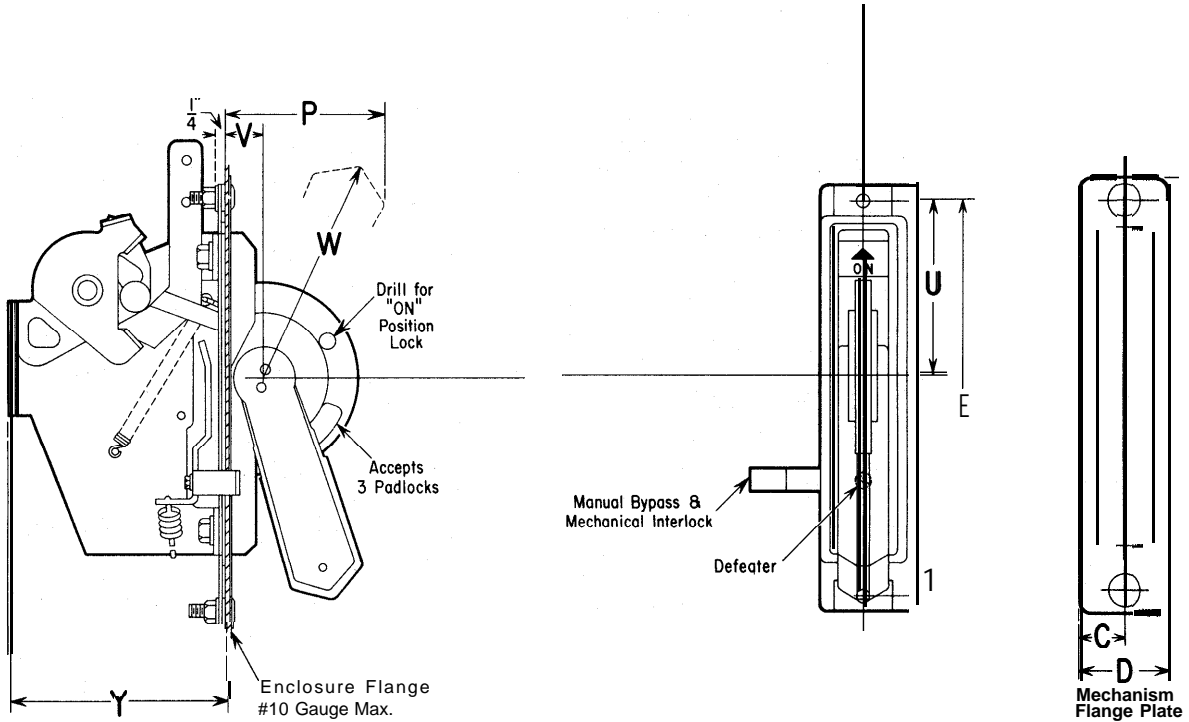
1. Remove nuts and washers from switch flange plate.
2. Place the disconnect switch into the enclosure with the contacts in the "OFF" or open position. Align the mounting holes on the disconnect switch mounting frame with the two upper holes on the cabinet flange.
3. Place switch flange plate studs through the holes in the cabinet flange and disconnect switch mounting frame while holding the assembly against the under-side of flange. Secure assembly to flange.
4. Attach disconnect switch firmly to the enclosure mounting plate surface. See line drawing on Page 1 (Bolts and spacers are furnished by user).

Fusible Disconnect Switches Only

1. Attach fuse clips provided with the fuse block adapter plate kits to the disconnect switch terminals.
2. Attach the fuse block adapter plate to the disconnect switch mounting frame.
3. Secure the fuse block adapter plate to the enclosure mounting plate surface. See line drawing on Page 1 (Bolts and spacers are furnished by users).

NOTE: It is recognized that holes in the enclosure mounting plate surface used to secure the disconnect and fuse block adapter plate can be located previous to installation. Refer to line drawings on Page 2.

OPERATING MECHANISM



DIMENSIONS

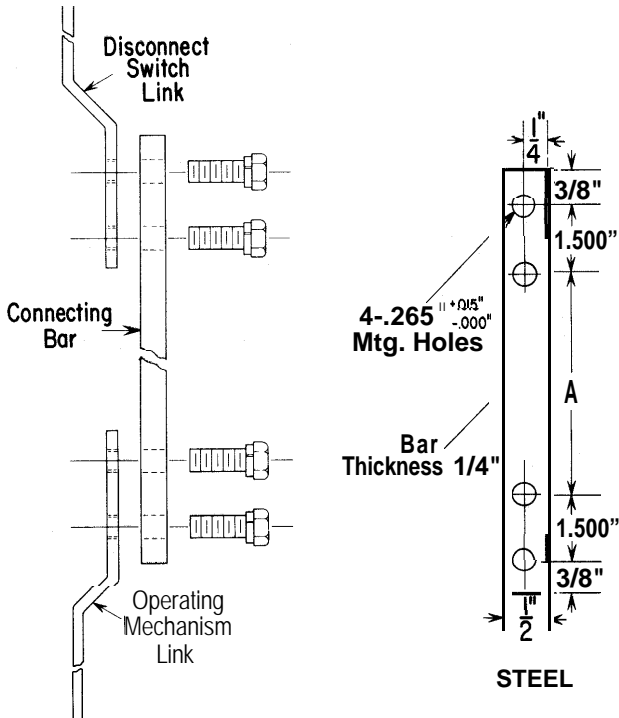
NEMA Size	Dimensions In Inches									
	A	B	C	D	E	P	U	V	W	Y
30A	9½	½	15/16	17/8	8½	37/16	3¾	¾	5	4¾
60A	9½	½	15/16	17/8	8½	37/16	3¾	¾	5	4¾
100A	9½	½	15/16	17/8	8½	37/16	3¾	¾	5	6 ⁵⁷ / ₆₄
200A	12 ³ / ₈	5/8	1	2	11 ¹ / ₈	4½	5 ⁹ / ₁₆	1 ⁵ / ₁₆	7	6 ³¹ / ₃₂

OPERATING MECHANISM INSTALLATION INSTRUCTIONS

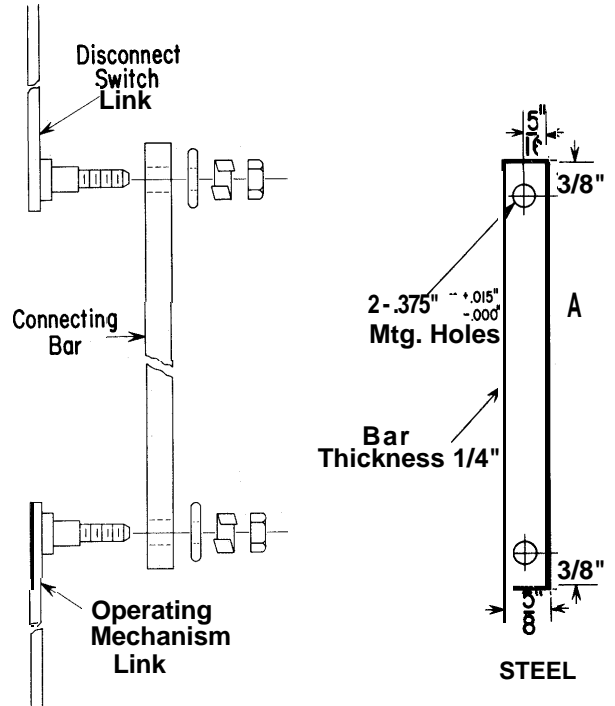
1. Remove nuts and washers from mechanism flange plate.
2. Place the operating mechanism into the enclosure with the handle in the "OFF" position. Tilt the assembly under the cabinet flange and at the same time bring the handle through the slot provided.
3. Place mechanism flange plate studs through the holes in the cabinet flange and operating mechanism frame while holding the assembly against the underside of flange. Secure assembly to flange.

CONNECTING BAR INSTALLATION

30 and 60 Ampere Size



100 and 200 Ampere Size



INSTRUCTIONS

1. Place both the disconnect switch and the operating mechanism in the "OFF" position.
2. Refer to Dimension "X" on Page 1 drawing and determine this distance on your enclosure.
3. Add to Dimension "X" the appropriate additional length given in the table below.

NEMA Size	Additional Length (In Inches)	Maximum Bar Length (In Feet)	NEMA Size	Additional Length (In Inches)	Maximum Bar Length (In Feet)
30A	2.125	9	100A	8.500	12
60A	2.125	9	200A	11.125	18

This total is Dimension "A", as shown above. The remaining connecting bar dimensions can now be established. The above maximum lengths are based on the use of a steel bar. If other materials are used, their weight must not exceed that of the steel bar.

4. Cut bar to size. Locate and drill holes as indicated.
NOTE: The standard mill rectangular connecting bar is not supplied with these assemblies.

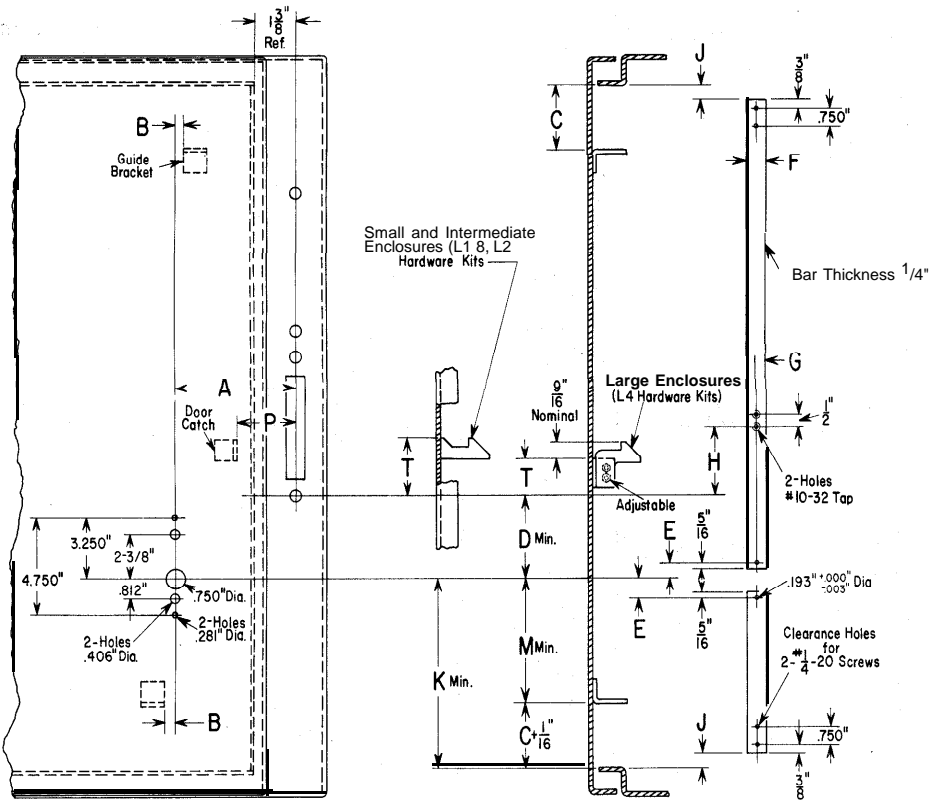
5. Attach the connecting bar to both the link on the disconnect switch and the link on the operating mechanism. The bar is fastened to the side of the links facing toward the inside of enclosure. NOTE: For Connecting Bars longer than 3 feet, use Guide Bracket Catalog Number 1494M-N1 or 1494M-N2 and refer to Form 1494M-01.

6. Hold the Manual By-pass lever up and place operating mechanism handle in the "ON" position. This action should cause the disconnect switch contacts to snap into a fully closed position. Also, the operating mechanism handle should swing to the top of its arc.

7. Bring the operating mechanism handle down to the "OFF" position. This action should cause the disconnect switch contacts to snap into a fully open position. Also, the operating mechanism handle should swing to the bottom of its arc.

8. Place disconnect switch in "OFF" position for maximum safety,

DOOR AND HARDWARE CONSTRUCTION



SMALL AND INTERMEDIATE ENCLOSURES

(L1, LL1, L2, LL2 and L3 Hardware Kits) **1**

NEMA Size	Dimensions in Inches:									
	A	B	C	D	E	F	G	H	P	T
30A 60A 100A	3/8	3/8	3 1/16	3	1/2	1/2	1/4	3 11/16	2 5/32	2 1/8
200A	3 15/16	3/8	3 1/16	3	1/2	1/2	1/4	3 11/16	2 5/16	2 1/8

1 L1, LL1, L2 and LL2 Hardware Kits provide 2 point latching; L3 Accessory Kit provides 3 point latching on L2 and LL2 Hardware Kit only.

LARGE ENCLOSURES

(L4 and LL4 Hardware Kit) **2**

NEMA Size	Dimensions in Inches									
	A	B	C	D	E	F	G	H	P	T
30A 60A 100A	4	1/2	3 11/16	3 3/8	3/4	5/8	5/16	3 13/16	2 1/4	1 9/16
200A	4	1/2	3 11/16	3 3/8	3/4	5/8	5/16	3 13/16	2 11/32	1 9/16

2 L4 and LL4 Hardware Kit provides 3 point latching.

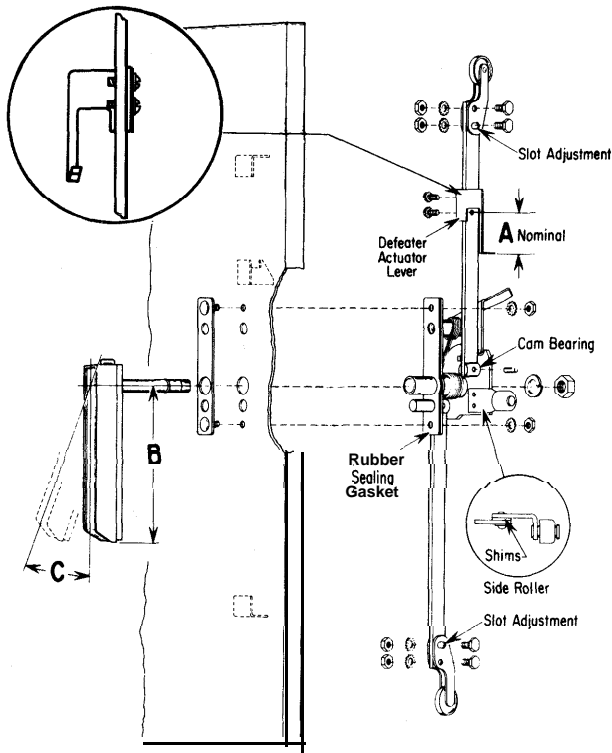
Hardware Kits	Dimensions in Inches		
	J	K	M
L1 LL1	9/16	3/4	—
L2 LL2	9/16	—	5
L4 LL4	1 1/16	—	6

INSTRUCTIONS

CAUTION: The above dimensions and the following instructions are to be used only when the sealing gasket is attached to the inside of the door.

1. Check all minimum enclosure and door dimensions required for installation. Refer to Page 1 and above.
2. Select the dimensions from above which apply to the roller latching arrangement to be installed. NOTE: Door catch supplied with all disconnects is not to be used with these door hardware kits.
3. Locate holes in door to secure handle assembly.
4. Determine Dimensions "B" and "C" to locate locking bar guide bracket(s).
5. Locate door catch using P and T dimensions. Location varies with each hardware kit. On Bulletin 1494F-L4 and LL4 Hardware Kit attach the adjustable catch after the support bracket is located.
6. Establish the length(s) of the door locking bar(s) and cut to size, using Page 1 and above drawings. Locate, drill and tap holes where necessary. NOTE: These standard mill rectangular locking bars are not supplied with these kits.
7. The door hardware operating assembly can now be attached to the door.

INSTALLATION OF DOOR HARDWARE KITS



NOTE: An alternate method of assembly requires that the handle assembly be installed first and then attach locking bar(s) to the cam plate.

Roller Assembly and Defeater Actuator Lever

1. Attach top roller assembly and bottom roller assembly (when used) to the locking bar(s). A slotted hole on roller assembly provides adjustment to insure proper gasket sealing when enclosure dimensional variations are encountered.
2. Fasten side roller assembly (when used) to the cam plate using various shims supplied. Nominal enclosure dimensions will require one (1) 1/8" shim.
3. Attach the defeater actuator lever to the upper locking bar. The two screws should be located near the center of the adjustment slot. Refer to "A" on opposite side of page. Further adjustment may be required after disconnect switch is installed.

Door Hardware Adjustments

With the disconnect secured to the flange in the "Off" position and the door hardware attached to the door proceed as follows:

1. Close enclosure door and slowly turn the handle to the right (counterclockwise) until the first notch on the cam plate is engaged. At this point positive gasket seal should be obtained with proper roller adjustment. When seal is obtained further adjustment to the defeater actuator lever may be required if the disconnect switch handle can be moved to the "On" position.
2. Rotate door handle further to the right. Relocate defeater actuator lever if necessary, so that the disconnect "On" position occurs well before the fully latched (vertical) door handle position.
3. With the disconnect switch in the "Off" position, turn recessed door defeater screw, hold and simultaneously turn handle to the left and pull. Door should open.
4. Close door, turn door handle to fully latched position and place disconnect switch in "On" position. Turn recessed door defeater screw, hold and at the same time turn door handle to the left and pull. Door should open only partially. Maintain force on handle and turn recessed defeater screw in cabinet flange. The door should now open.
5. Close door and rotate door handle to the fully closed position. Pull out handle padlocking bar. Insertion of a 3/16" minimum to 3/8" maximum lock hasp should prevent movement of the door handle. NOTE: Positive sealing and maximum safety have now been attained.

Enclosure Size	Kits	Dimensions in Inches		
		A	B	C
Small and Intermediate	L1, LL1	1 1/32	4	65
	L2, LL2			
	L3			
Large	L4, LL4	1 5/16	6	75

INSTRUCTIONS

Locking Bar(s) and Handle Assembly

Using the roller latching arrangement to be installed and the locking bar(s) prepared as specified on Page 6 proceed as follows:

1. Insert cam bearing(s) into the cam plate hole(s), insert locking bar(s) in the cam bearing slot(s) and secure by using the pin(s) provided. See above.
2. Remove door handle and cover plate from the handle assembly.
3. Slide locking bar(s) attached to the cam assembly through the slot in the guide bracket(s) located on the enclosure door.
4. Insert cover plate studs thru holes in door and push rubber sealing gasket over cover plate studs.
5. Secure cam assembly to door using cover plate studs.
6. Replace handle.



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