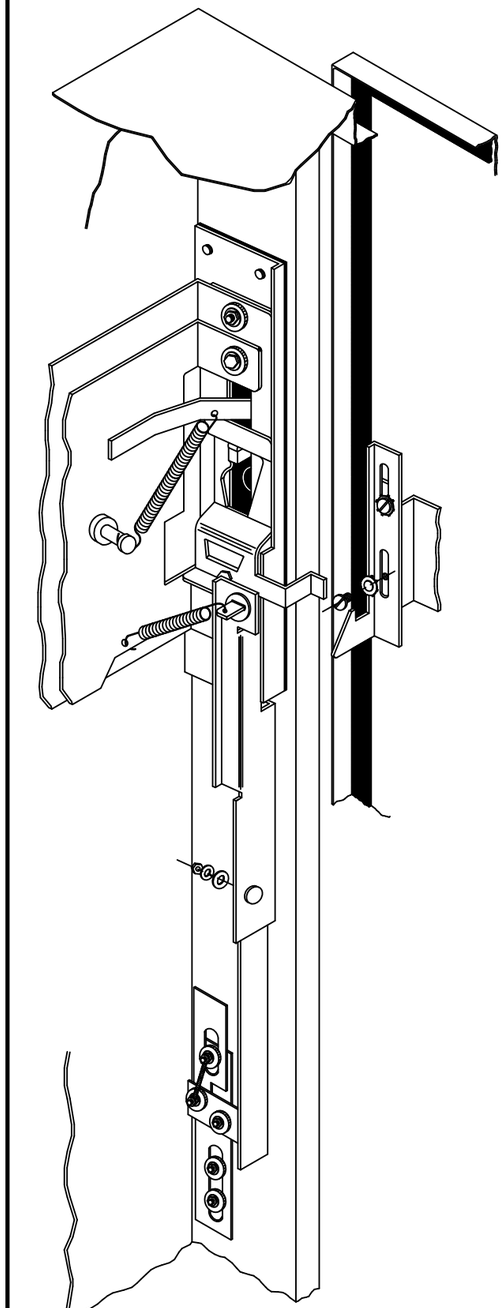
WIEGMANN

FREEBURG , ILLINOIS , USA

INSTALLATION INSTRUCTIONS FOR ALLEN-BRADLEY BULLETIN 1494F DISCONNECT SWITCHES IN HUBBELL WIEGMANN 2 DOOR ENCLOSURES WITH DISCONNECT ON RIGHT FLANGE (ALSO FOR ALLEN-BRADLEY 1494D OPERATORS FOR CIRCUIT BREAKERS)



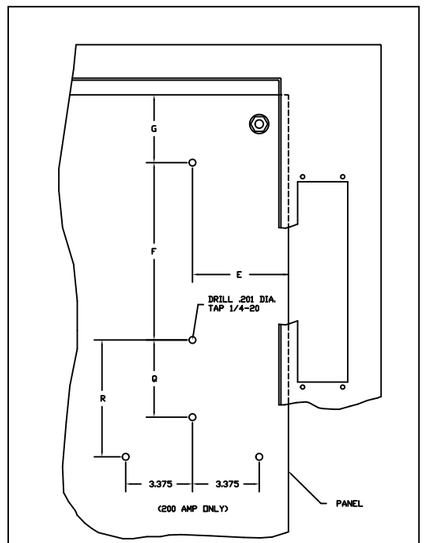


FIGURE 1

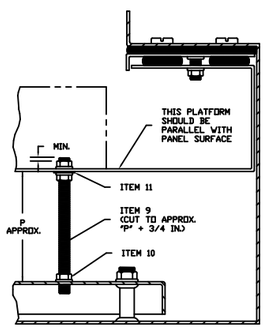


FIGURE 2

STEP 1 DRILL AND TAP HOLES REQUIRED IN PANEL. SEE FIG. 1. 2 HOLES ARE REQUIRED FOR UN-FUSED SWITCHES; 3 HOLES FOR 30, 60, 100 AMP FUSED SWITCHES AND 4 HOLES FOR 200 AMP FUSED SWITCHES. 2 HOLES ARE REQUIRED FOR OPERATORS FOR CIRCUIT BREAKERS.

STEP 2 INSTALL MOUNTING PLATE, (ITEM 1) POSITIONED AS SHOWN ON FIG. 3, (ITEM 2 FOR A 200 AMP SWITCH) AND PLATE GASKET (ITEM 3) ON THE INSIDE OF THE ENCLOSURE BEHIND THE RECTANGULAR OPENING PROVIDED. SEE FIG. 3. SECURE IN PLACE WITH 4 SCREWS (ITEM 4).

STEP 3 INSTALL DOOR CATCH (ITEM 5) ON TAPPED BLOCK PROVIDED ON MASTER DOOR. SEE FIG. 3. LOCATE DOOR CATCH VERTICALLY AS SHOWN. SECURE IN PLACE WITH 2 SCREWS (ITEM 6) AND LOCKWASHERS (ITEM 7).

STEP 4 REMOVE AND DISCARD LOCK RELEASE MECHANISM FROM ENCLOSURE FLANGE (SEE BOTTOM OF FIG 3). INSTALL LOCK RELEASE MECHANISM (ITEM 13) AS SHOWN IN FIG. 3 USING SAME SPACER, NUTS, AND WASHERS. ADJUST LOCK RELEASE MECHANISM SO TOP OF DOOR LATCH CONTACTS LATCH STOP WHEN DOOR IS CLOSED AND DOOR HANDLE IS FULLY LATCHED.

STEP 5 INSTALL ALLEN-BRADLEY DISCONNECT SWITCH OR OPERATOR FOR CIRCUIT BREAKERS AS FOLLOWS:

(A) REMOVE NUTS AND LOCKWASHERS FROM ALLEN-BRADLEY FLANGE PLATE. DISCARD THE ALLEN-BRADLEY FLANGE PLATE.

(B) PLACE HANDLE OPERATOR INTO ENCLOSURE WITH THE OPERATING HANDLE IN THE "OFF" POSITION. TILT THE ASSEMBLY UNDER THE FLANGE AND AT THE SAME TIME BRING THE HANDLE THRU THE SLOT PROVIDED IN THE MOUNTING PLATE INSTALLED IN STEP 3.

(C) SECURE HANDLE OPERATOR TO MOUNTING PLATE WITH NUTS AND LOCKWASHERS.

STEP 5 CONTINUED

FUSIBLE DISCONNECT SWITCHES ONLY

(A) ATTACH FUSE CLAPS PROVIDED WITH THE FUSE BLOCK ADAPTER PLATE KIT TO THE DISCONNECT SWITCH TERMINALS. SEE ALLEN-BRADLEY INSTRUCTIONS.

(B) ATTACH THE FUSE BLOCK ADAPTER PLATE TO THE DISCONNECT SWITCH MOUNTING BRACKET. SEE ALLEN-BRADLEY INSTRUCTIONS.

STEP 6 ATTACH DISCONNECT PLATFORM (AND FUSE BLOCK ADAPTER PLATE) TO PANEL WITH THREADED RODS, LOCKWASHERS AND NUTS. SEE FIG. 2. CUT THREADED RODS (ITEM 9) TO LENGTH REQUIRED. SEE FIG. 5 AND "P" DIMENSION IN TABLE. INSTALL THREADED RODS AS SHOWN IN FIG. E. ADJUST THREADED RODS AND NUTS SO DISCONNECT PLATFORM IS LEVEL. THE ENDS OF THREADED RODS SHOULD NOT EXTEND ABOVE NUTS ON FRONT OF DISCONNECT PLATFORM.

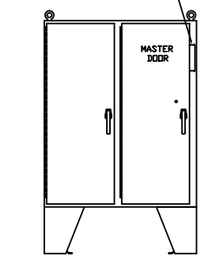
STEP 7 INSTALL SLIDE ARM (ITEM 8), UNHOOK SPRING FROM THE TAB ON THE A-B LOCKING LEVER. PLACE END OF SLIDE ARM (ITEM 8) AND RETAINING WASHER (ITEM 16) OVER TAB, AND REATTACH SPRING. ATTACH THE BOTTOM OF SLIDE ARM (ITEM 8) TO LOCK RELEASE MECHANISM (ITEM 13) USING WASHERS (ITEM 15) LOCKWASHERS (ITEM 11) AND NUTS (ITEM 10) AS SHOWN IN FIG 1. SEE STEP 8 FOR ADJUSTMENT.

STEP 8 ADJUST SLIDE ARM (ITEM 8) AND DOOR CATCH (ITEM 5) AS FOLLOWS:

(A) CLOSE MASTER DOOR. ATTEMPT TO TURN THE ALLEN-BRADLEY HANDLE "ON". THE SLIDE ARM SHOULD RELEASE THE ALLEN-BRADLEY OPERATING HANDLE JUST BEFORE THE ENCLOSURE MASTER DOOR IS FULLY LATCHED. ADJUST SLIDE ARM UP OR DOWN IF REQUIRED.

(B) LEAVE THE ALLEN-BRADLEY HANDLE IN THE "ON" POSITION. ATTEMPT TO OPEN MASTER DOOR. DOOR CATCH SHOULD HOOK ON THE ALLEN-BRADLEY INTERLOCK TO PREVENT THE DOOR FROM OPENING. ADJUST UP OR DOWN IF REQUIRED.

THIS INSTRUCTION SHEET IS FOR DISCONNECT ON RIGHT FLANGE



ENCLOSURE CATALOG NUMBERS

WA60X4912U	WA72X6112U
WA60X4918U	WA72X7312U
WA60X6112U	WA72X6118U
WA60X6118U	WA72X7318U
	WA72X7324U

* "P" DIMENSION FOR 24-1/8 DEEP ENCLOSURES ARE THE SAME AS FOR 18-1/8 DEEP. PLATFORM CAN BE OMITTED IF 6" LONGER THREADED RODS ARE USED.

ENCLOSURE HEIGHT →				60-1/8 HIGH ENCLOSURE		72-1/8 HIGH ENCLOSURE		FOR 12-1/8 DEEP	FOR 18-1/8 DEEP
SWITCH SIZE	E	F	M	G	L	G	L	P	P*
1494F 30 AMP	3-5/16	5-5/16	1-1/2	2-23/32	16-3/16	8-7/32	16-3/4	5-5/8	11-5/8
1494F 60 AMP	3-5/16	5-5/16	1-1/2	2-23/32	16-3/16	8-7/32	16-3/4	5-5/8	11-5/8
1494F 100 AMP	3-11/16	7-3/16	1-1/2	DO NOT INSTALL		6-11/32	16-3/4	3-5/8	9-5/8
1494F 200 AMP	5-3/4	9-5/8	1/4	DO NOT INSTALL		5-1/16	15-7/16	3-9/16	9-9/16
1494D-N1 100 AMP C.B.	3-5/16	7-3/16	1-1/2	2-23/32	16-3/16	8-7/32	16-3/4	5-5/8	11-5/8
1494D-N2 225A C.B.	2-7/8	10-7/8	1-1/2	2-1/32	16-3/16	7-17/32	16-3/4	3-5/8	9-5/8
1494D-N2 400A C.B.	2-7/8	10-7/8	1-1/2	DO NOT INSTALL		7-17/32	16-3/4	3-5/8	9-5/8

PARTS LIST

OPERATOR ADAPTER CAT. NO. WA-21ABA FOR ALLEN-BRADLEY 1494V DISCONNECTS IN HUBBELL WIEGMANN ENCLOSURES

ITEM NO.	PART NAME	QTY.
1.	ADAPTER PLATE, A-B	1
2.	ADAPTER PLAT, A-B 200 AMP	1
3.	GASKET, PLATE	1
4.	SCREW, 1/4-20 PAN HD.	4
5.	DOOR CATCH	1
6.	SCREW, 10-32 PAN HD.	2
7.	LOCKWASHER 10 EXT.	2
8.	SLIDE ARM	1
9.	THREADED ROD 1/4-20 X 17.88	4
10.	NUT 1/4-20 HEX	14
11.	LOCKWASHER, 1/4 SPRING	10
12.	LABEL (EXTRA)	1
13.	SUB-ASSY, RELEASE MECH.	1
14.	SUB-ASSY, RELEASE MECH. (CPX)	1
15.	WASHER, FLAT	2
16.	RETAINING WASHER	1

EXTRA HOLES FOR FUSIBLE SWITCHES ONLY

SWITCH SIZE	FUSE CLIP	CLASS	Q	SWITCH SIZE	FUSE CLIP	CLASS	R
30 AMP	30A/600V	H	2-13/16	200 AMP	200A/250V	H	3-1/2
	60A/600V	H	3-5/16		400A/250V	H	5
60 AMP	30A/600V	H	3-3/8		200A/600V	H	6
	100A/250V	H	3-7/8		400A/600V	H	8
	60A/600V	H	3-7/8		200A/600V	J	2-3/16
	100A/600V	H	5-7/8		400A/600V	J	3-1/2
	100A/600V	J	2-11/16				
100 AMP	100A/250V	H	3-1/2				
	200A/250V	H	4-3/8				
	100A/600V	H	5-1/2				
	200A/600V	H	6-7/8				
	100A/600V	J	2-5/16				
	200A/600V	J	3-1/16				

OPERATOR ADAPTER KIT WA21ABA