

# Installation Instructions

## RMR FLANGE-MOUNT DISCONNECT ENCLOSURE INTERLOCK

### Safety Information



**WARNING:** Improper use of this product or failure to follow these instructions may result in equipment damage, personal injury, or death. Read and understand all instructions for proper installation and use of this product.



**WARNING:** Refer to disconnect handle manufacturer's installation instructions. Follow disconnect handle manufacturer instruction for adjusting door interlock operation.



**WARNING:** Test all interlock systems. Failure to properly install the interlock system correctly could result in dangerous electrical exposure leading to severe injuries or death.

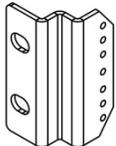
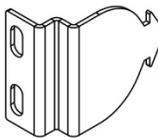
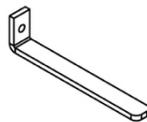


**WARNING:** Confirm all components meet installation site specific regulatory codes and standards.



**WARNING:** Cabinet and Disconnect NEMA ratings must be consistent to retain system NEMA rating

### Included Hardware

Screw, 8-32X3/8	(3)	
#8 Lock Washer	(3)	
M6 Hex Flange Nut	(2)	
Master Door Catch Adapter Bracket (A)	(1)	
Master Door Catch Bracket (B)	(1)	
Extended Defeater Bar (for some Siemens and ABB handles)	(1)	

### Tools Required

10mm Socket

#2 Phillips Screwdriver

### 1. Master Door Defeater Strike

Various brackets are included with this kit; however, it is the responsibility of the installer to select appropriate components for specific enclosure system



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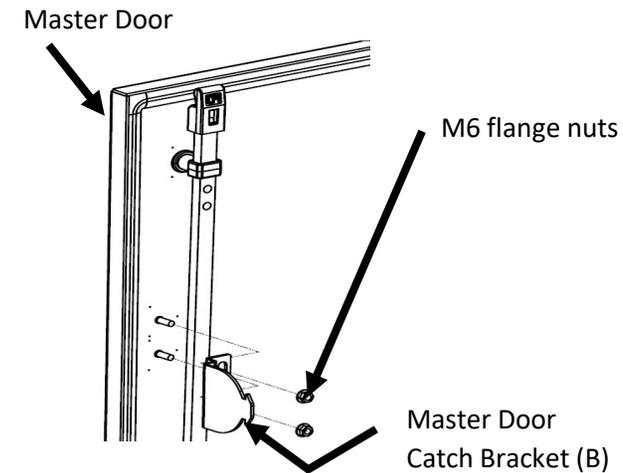
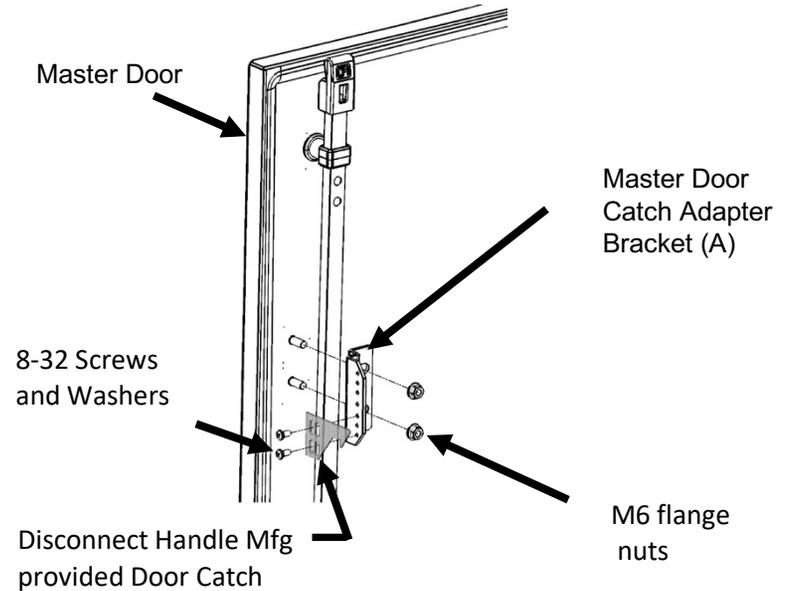
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configurations to ensure disconnect def eater mechanism will operate safely and reliably in the intended environment. CPI RMR Flange-Mount Disconnect Enclosures require an extended def eater arm due to the cabinet door's seal geometry. The extended def eater arm may need to be ordered separately from the disconnect handle for some manufacturer. See table 1 for tested handles.

- 1.1. Install user supplied flange disconnect handle into enclosure per handle manufacturer instructions.
- 1.2. If appropriate, Installer may use provided (A) Master Door Catch Adapter Bracket with handle manufacturer provided Door Catch OR (B) Master Door Catch Bracket. Secure to the master door catch as shown with (2) M6 flange nuts. Torque M6 nuts to 88IN-LB[9.9 N-M].



- 1.3. Adjust the door catch bracket to meet clearances specified by the disconnect handle manufacturer.

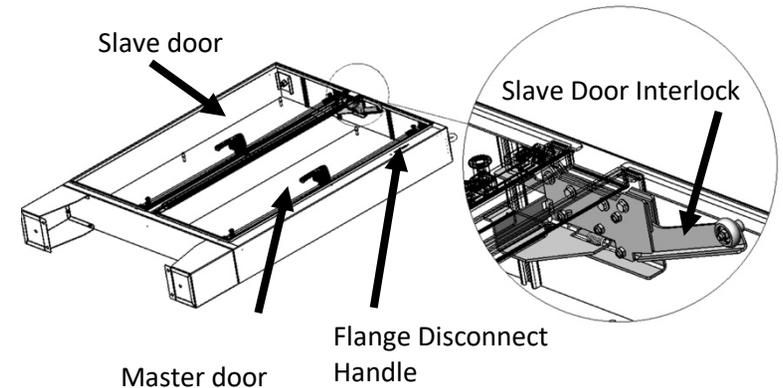
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1.4. Test the defearer interlock operation per the Disconnect Handle manufacturer instructions.

TABLE 1. Tested Handles

MANUFACTURER	HANDLE P/N	Master Door Catch Adapter Bracket (A)	Master Door Catch Bracket (B)
ALLEN BRADLEY	1494U-HM1		X
ABB	OHF1C4	X	
	DSFHN-HS12		X
Eaton	C371H1		X
	C371H5		X
	C361H1		X
GE	SCH1X		X
Siemens	MFHM3RS	X	
Square-D	9422A1		X



### 2. Slave Door Interlock (for Dual Door RMR Flange-Mount Disconnect Enclosures)

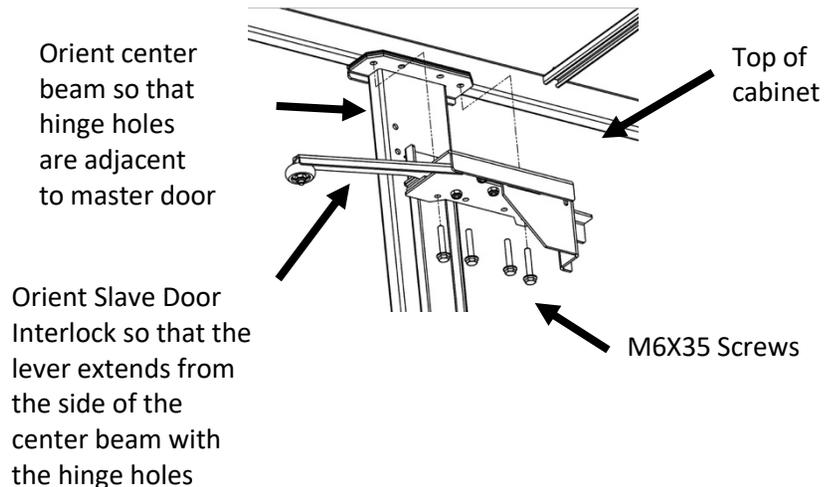
For dual door RMR flange-mount disconnect enclosures, a slave door interlock system is included. This mechanism does the following:

- Prevents slave door from opening unless master door is opened first. (Master door is adjacent to disconnect handle)
- Prevents master door from closing unless slave door is closed first.

The slave interlock mechanism may be installed at the factory. However, if the mechanism is removed from the cabinet, use the following instructions for installation prior to use.

#### 2.1. Instructions for installing the slave interlock.

2.1.1. The slave door interlock mounts to the top of the center beam of a dual door RMR Flange-Mount Disconnect Enclosure.



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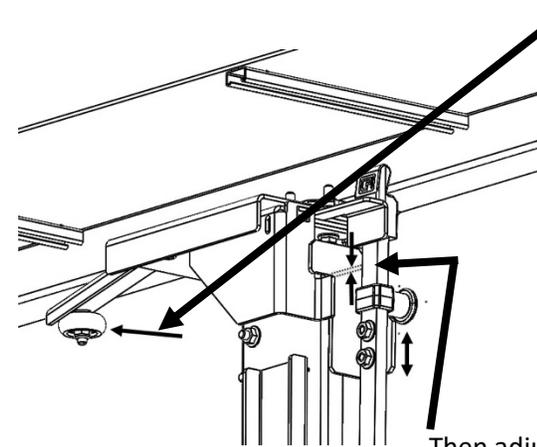
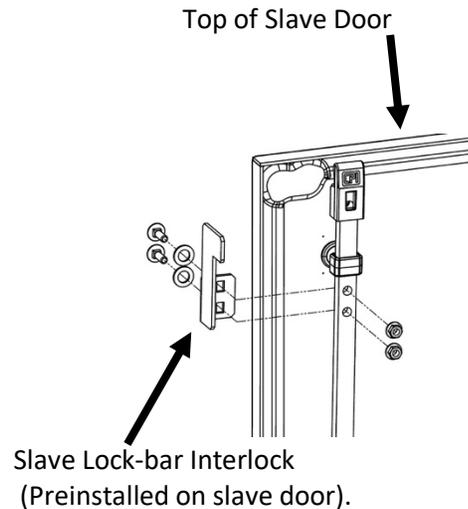
## RMR FLANGE-MOUNT DISCONNECT ENCLOSURE INTERLOCK



**WARNING:** Excessive torque will damage the interlock and could result in operational failure. Failure to properly install the interlock system could result in dangerous electrical exposure, severe injuries or death.

2.1.2. Use (4) M6 X 35 screws to attach top interlock to center beam as shown. Torque screws to 88 In-Lb [9.9 N-M]. Finish the center beam installation by following procedures included in the cabinet installation instructions (see IIS-738066, IIS-738067 or IIS-738068)

2.1.3. Adjust the slave door lock bar interlock as shown below.



(View from  
inside cabinet)

With the master door open and the slave door closed, press the master door roller arm towards the inside of the cabinet.

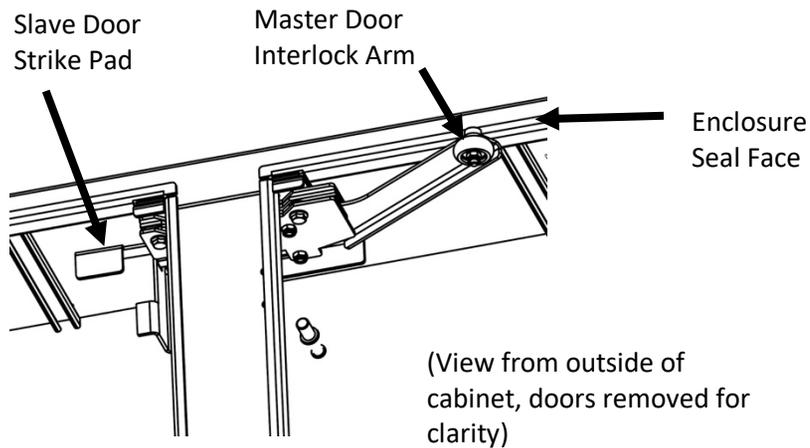
Then adjust the slave door lock bar interlock gap to 0.1" [3mm] by loosening the 2 M6 nuts.

### 2.2. Testing the slave door interlock mechanism:

- 2.2.1. With both the slave and the master doors open (or uninstalled), press on the master door interlock arm and confirm that the arm is restricted from moving into the enclosure
- 2.2.2. Press on the slave door strike pad and then push the master door interlock arm. The master door interlock arm should now be allowed to travel so that the Outer face of the roller wheel is approximately flush with the seal face of the enclosure. Release the master door interlock arm and confirm that it returns freely.

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- 2.2.3. Test master door disconnect defeater operation per disconnect handle manufacturer requirements.
- 2.2.4. Test the dual door assembly by attempting to open slave door with master door closed. The lock bar should be restricted from opening.
- 2.2.5. Open the master door and then the slave door. Attempt to close the master door with the slave door open. The master door should be restricted from closing.