

## Replacing the Unit Interlock for CENTERLINE 2100 Motor Control Centers

Catalog Numbers 2100H-UNTLK1, 2100H-UNTLK2, 2100H-UNTLK3, 2100H-UNTLK4, 2100H-UNTLK5, 2100H-UNTLK6

<b>Topic</b>	<b>Page</b>
About This Publication	1
Replacing the Unit Interlock	2
Remove the Interlock from the Unit	2
Install the Interlock in the Unit	5
Additional Resources	7

### About This Publication

This document provides information on how to remove and install the unit interlock on the following units.

#### Interlock with Corresponding Units

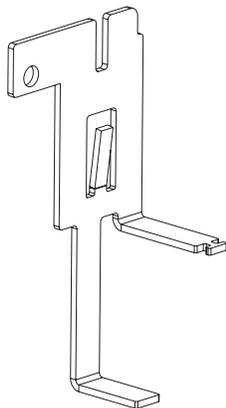
<b>Kit Cat. No.</b>	<b>Used with Unit</b>
2100H-UNTLK1	Plug-in units with 200 A disconnect switch
2100H-UNTLK2	Plug-in units with 400 A disconnect switch
2100H-UNTLK3	Plug-in units with 250 A or 400 A frame circuit breaker and single stab assembly
2100H-UNTLK4	Plug-in units with 250 A or 400 A frame circuit breaker and dual-power stab assembly
2100H-UNTLK5	Plug-in units with 600 A frame circuit breaker
2100H-UNTLK6	Plug-in units with 400 A LA-tripac circuit breaker

Refer to [page 2](#) for an illustration of the interlocks.

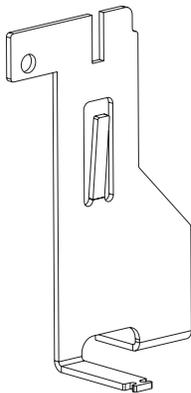
# Allen-Bradley Drives

**Interlock Kit**

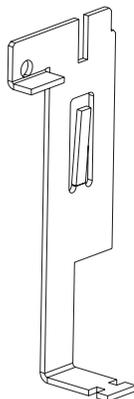
2100H-UNTLK1  
Interlock



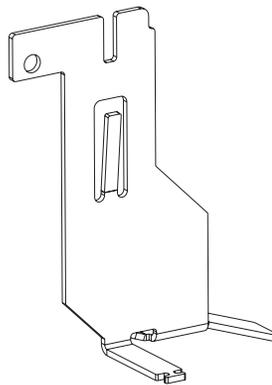
2100H-UNTLK2  
Interlock



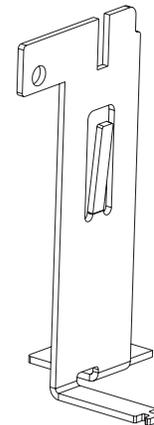
2100H-UNTLK3 and  
2100H-UNTLK4  
Interlock



2100H-UNTLK5  
Interlock



2100H-UNTLK6  
Interlock



## Replacing the Unit Interlock

The following sections provide information on how to remove and install your unit interlock after removing the unit from the CENTERLINE 2100 Motor Control Center (MCC).

**ATTENTION**



When working on or near energized electrical equipment, follow established electrical safety-related work practices. Refer to NFPA 70E Standard for Electrical Safety in the Workplace.

We recommend that maintenance performed on the MCC units be performed away from the MCC in a suitable work area.

## Remove the Interlock from the Unit

Follow this procedure to remove the interlock from the unit. Refer to the CENTERLINE 2100 Low Voltage Motor Control Centers Instruction Manual, publication [2100-IN012](#), for information on removing power and removing the unit from the MCC.

1. Remove power from the unit.

**ATTENTION**



To prevent personal injury or damage to equipment, make sure the unit handle is in the OFF/O position before removing the unit. Serious injury or death can result from working on energized MCCs.

2. Remove the unit from the MCC.

**ATTENTION**

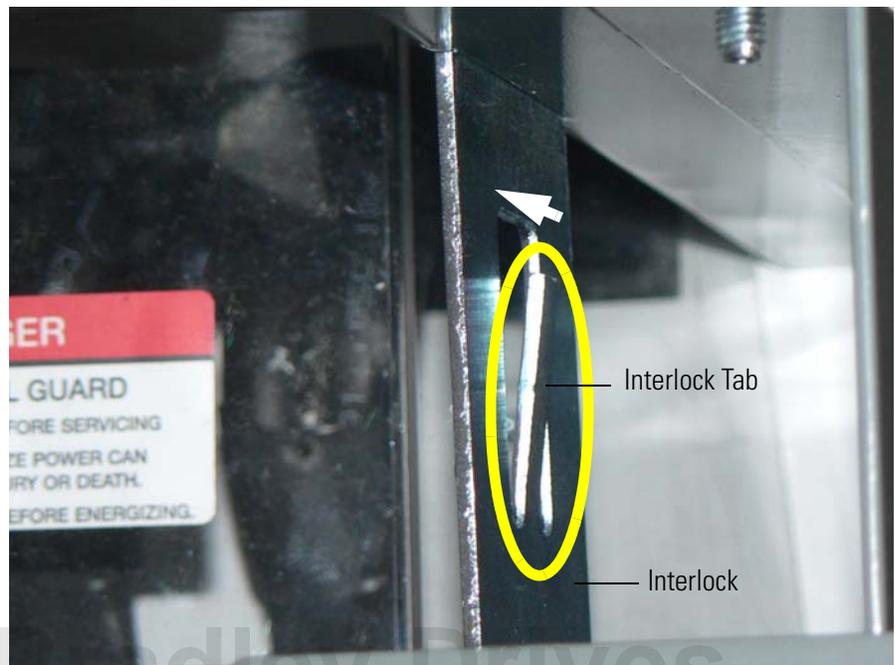
Plug-in MCC units may be heavy or awkward to handle. Use an assistant or a platform lift device if necessary to help you handle the unit.

3. Loosen the taptight on the side of the unit, if used, to be able to remove the interlock from the unit.

A taptight is not required for units that use interlock kit numbers 2100H-UNTLK3 and 2100H-UNTLK4.



4. Compress the tab on the interlock to make the tab flush with the rest of the interlock.



5. Slide the interlock up until the bottom of the interlock can be removed from the slot in the side of the operator handle assembly.



6. Tilt the bottom of the interlock towards the center of the unit.
7. If you have kit numbers 2100H-UNTLK3 and 2100H-UNTLK4, pull the interlock through the slot on the top of the unit as shown. For the other units, pull the interlock down to remove it from the unit.



## Install the Interlock in the Unit

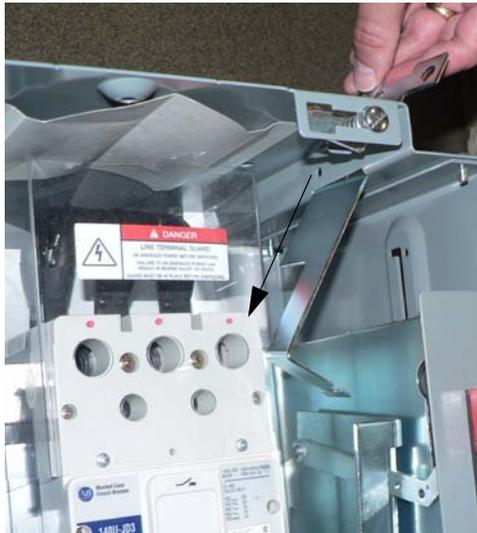
Follow this procedure to install the unit interlock.

1. Compress the tab on the interlock to make the tab flush with the rest of the interlock.



Tab Location (for interlock kit number 2100H-UNTLK3)

2. If you have kit numbers 2100H-UNTLK3 and 2100H-UNTLK4, push the interlock down through the slot on the top of the unit as shown. For the other units, push the interlock up and through the top slot to insert it into the unit.

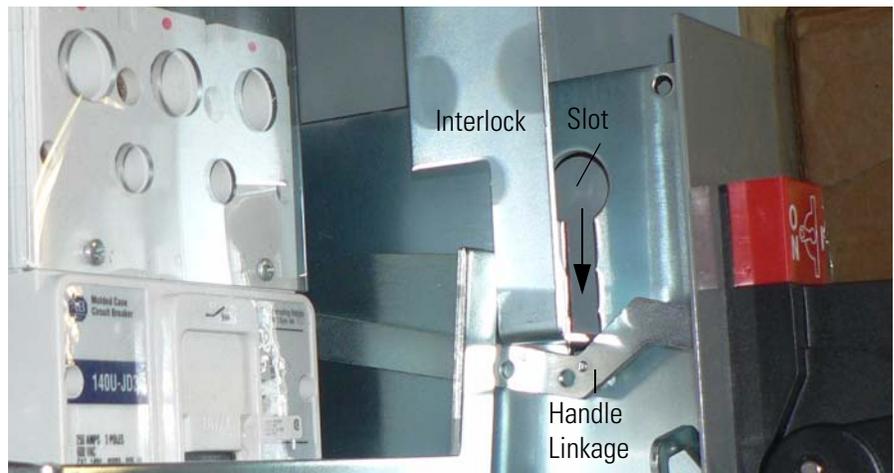


# Allen-Bradley Drives

3. Move the interlock, if necessary, until the bottom of the interlock can be inserted into the slot in the side of the operator handle assembly.

It may be necessary to manipulate the interlock up and down to position it into the slot. Make sure the tab on the interlock is not bent away from the interlock. This could affect the interlock being placed into the slot. In addition, make sure that the interlock is not caught behind the handle linkage.

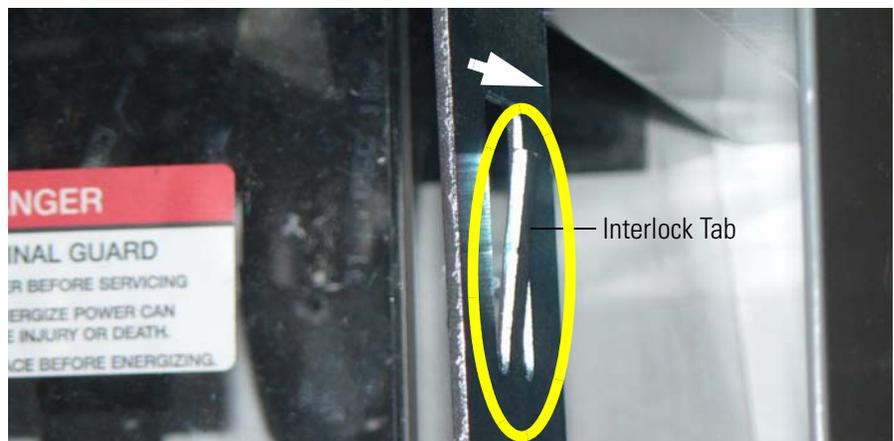
4. Slide the interlock down to the bottom of the slot.



5. Move the handle to the ON and OFF position to help ensure that the interlock is functioning properly.

Refer to the CENTERLINE 2100 Low Voltage Motor Control Centers Instruction Manual, publication [2100-IN012](#), for information regarding unit interlock functionality.

6. Uncompress the tab on the interlock to the approximate thickness of the interlock.



7. Tighten the taptight on the side of the unit, if used.

**8. Install the unit into the MCC.****ATTENTION**

To prevent personal injury or damage to equipment, make sure the unit handle is in the OFF/O position before installing the unit. Serious injury or death can result from working on energized MCCs.

Refer to the CENTERLINE 2100 Low Voltage Motor Control Centers Instruction Manual, publication [2100-IN012](#), for information regarding installing units with vertical operating handles.

**ATTENTION**

Plug-in MCC units may be heavy or awkward to handle. Use an assistant or a platform lift device if necessary to help you handle the unit.

**9. Apply power to the MCC.**

Refer to the CENTERLINE 2100 Low Voltage Motor Control Centers Instruction Manual, publication [2100-IN012](#), for information for applying power.

**Additional Resources**

These documents contain additional information concerning MCC products.

Resource	Description
CENTERLINE 2100 Low Voltage Motor Control Centers Instruction Manual, publication <a href="#">2100-IN012</a>	Provides information on installing and using the CENTERLINE 2100 Motor Control Center.
CENTERLINE 2100 Motor Control Center (MCC) Units with Vertical Operating Handles Installation Instructions, publication <a href="#">2100-IN014</a>	Provides information on installing the CENTERLINE 2100 Motor Control Center with vertical operating handles.

You can view or download publications at <http://literature.rockwellautomation.com>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

# Allen-Bradley Drives

# Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://support.rockwellautomation.com>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

## Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

## New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

CENTERLINE, CENTERLINE 2100, Allen-Bradley, Rockwell Automation, and TechConnect are trademarks of Rockwell Automation, Inc.

Trademarks not belonging to Rockwell Automation are property of their respective companies.

[www.rockwellautomation.com](http://www.rockwellautomation.com)

### Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 2100-IN068A-EN-P - July 2009

PN-51577

Copyright © 2009 Rockwell Automation, Inc. All rights reserved. Printed in the U.S.A.