

Remote Mount Customer Interface Kit, Catalog No. 's EMA92A, B, C, and D



EATON

Powering Business Worldwide

Introduction

This publication is designed to simplify the installation of S801/S811 Remote Mounted Customer Interface Unit (CUI) Catalog Number **EMA69A** with a 3 foot Communication Cable, **EMA69B** with a 5 foot Communication Cable, **EMA69C** with a 8 foot Communication Cable and **EMA69D** with a 10 foot Communication Cable.

Purpose

The location of the CUI located on the S801/S811 Soft Starter may not be convenient for setting up and adjusting the Soft Starter for the optimum start sequence. The Remote Mounted CUI Kit EMA69 with the Cable Kit enables the user to set up and adjust the Soft Starter from a convenient location outside or inside the enclosure. It also provides a visual of CIM settings via a clear cover with the ability to provide security via a tie wire and seal lock. The door-mounted bezel along with the cover is a UL recognized component rated for UL / NEMA Type 1 and Type 12 application. The interface unit provides interconnect cable short circuit protection for the board controller.

Contents

The Remote CUI Kit contains three basic components; 1) S801/S811 interface unit, 1) door bezel mount and 1) of the following interconnect cables, EMA69A, 3': EMA69B, 5': EMA69C, 8': or an EMA69D, 10'. See Figure 1 The kit also contains 6) cable ties, 6) cable tie mounting pads, 1) common mode communication filter not shown.



Panel Door Bezel Assembly






S801/S811 Interface Unit

Figure 1.

Installation

1. **Disconnect all power before performing any work!**

 WARNING	EQUIPMENT. TO AVOID SHOCK HAZARD, DISCONNECT ALL POWER BEFORE ANY FUNCTIONS ARE PERFORMED ON THIS
 AVERTISSEMENT	
	TRAVAUX. POUR EVITER TOUT CHOC ELECTRIQUE, COUPLER L'ALIMENTA-TION DE CET EQUIPEMENT AVANT D'Y EFFECTUER DES
Hazard of Burn or Electrical Shock	
Risque de Brulure ou de Choc Electrique	

2. Locate the desired position of the door panel bezel on the enclosure door or on a mounting pane. Note the location of the door bezel should not exceed the length of the routed cable that was ordered with the door mounting kit EMA69A, B, C, or D. Communication cable should be routed where it does not interfere with the door movement or other movable panels.
3. Punch or drill the bezel mounting hole configuration as shown in Figure 2. Note the bezel with cover will extend 31mm beyond the door or panel surface.



Figure 2.

4. Locate the door bezel assembly, with the assembly cover facing you, and the locking tab at the bottom. Slide the locking tab to the right and rotate the cover bottom toward you and remove it. Remove the contents from inside the bezel assembly.
5. Remove the CIMor DIM from the S801/S811 Soft Starter and place on a clean smooth flat surface.
6. Locate the door bezel assembly. Turn the two cam retaining screws Counter Clock Wise (CCW) until the internal gasket packaging retainer is removed. Discard the internal bezel gasket retainer. Do not lose the door bezel mounting hardware.
7. Insure that the internal door bezel gasket is assembled evenly around the CIM/DIM pocket. See Figure 3.

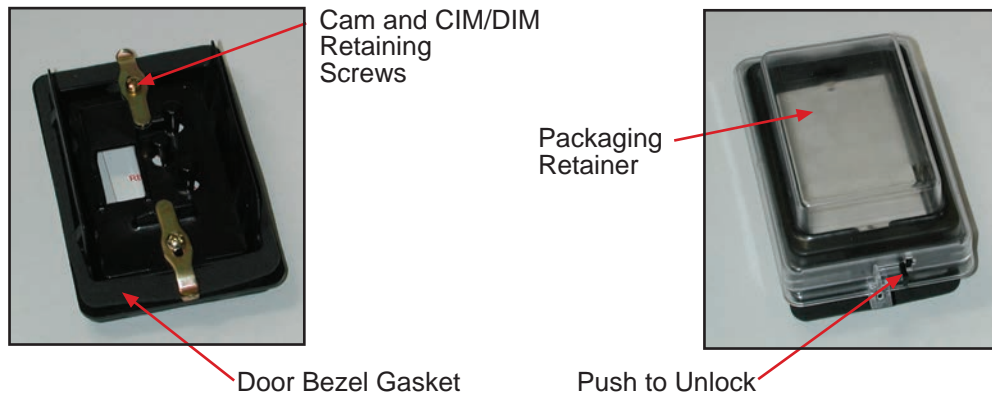


Figure 3.

8. Place the CIM or DIM into the pocket. See Figure 4.

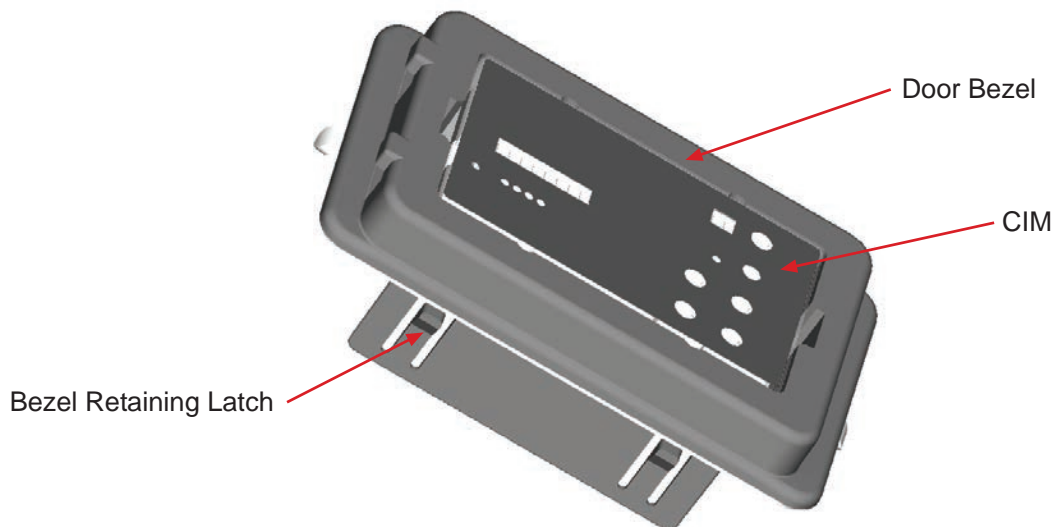


Figure 4.

9. Secure the bezel retaining cams and the CIM or DIM with the retaining screws, lock washer and flat washer. Screws should be loose to snug. Rotate the bezel cams so they do not protrude above the top or bottom edge of the door bezel.

10. Ensure that the external door bezel gasket is evenly placed around the mounting edge of the door bezel. See Figure 3.

11. Insert the door bezel with CIM or DIM into the door or panel-mounting hole. Rotate the bezel cams and extend past the door or panel mounting edge and tighten the cam screws to 0,7N-m [6 in-lb]. See Figure 5.

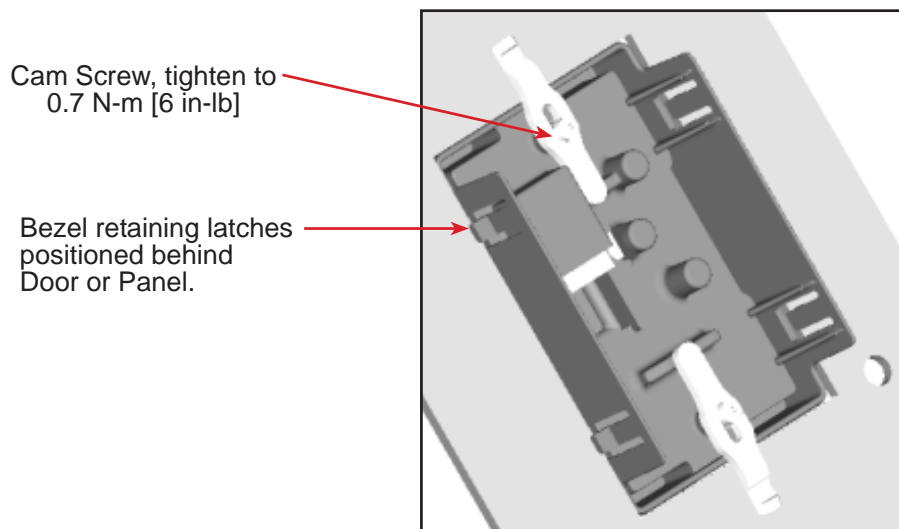


Figure 5.

- 12. Locate the S801/S811 Interface and install the Soft Starter.
- 13. Remove the strain relief from the interface housing by moving the Strain Relief Retaining tabs inward and lift up slightly then moving it away from the interface body. See Figure 6.

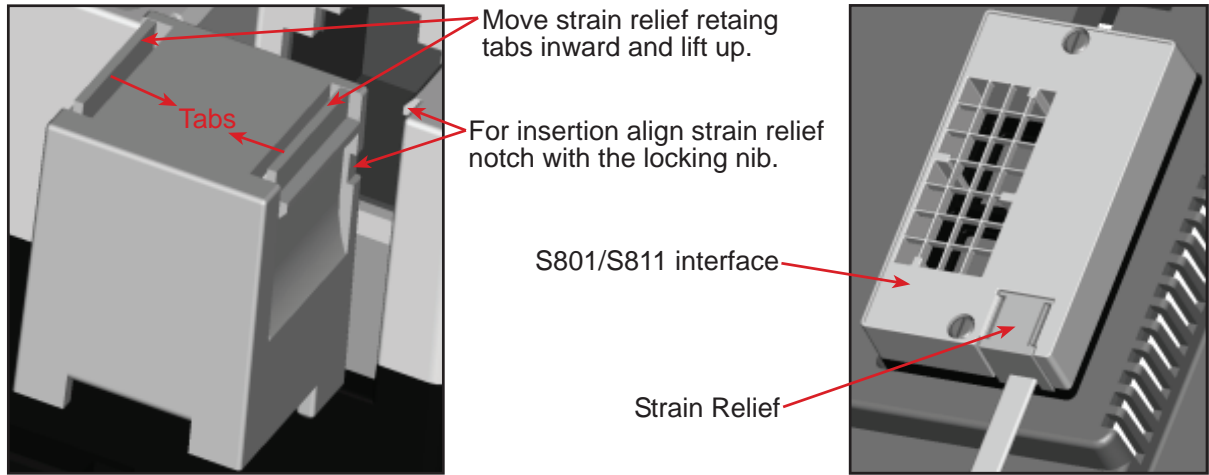


Figure 6.

- 14. Locate the communication cable and insert one end into the S801/S811 Interface connector and secure it using the strain relief. See Figure 7.

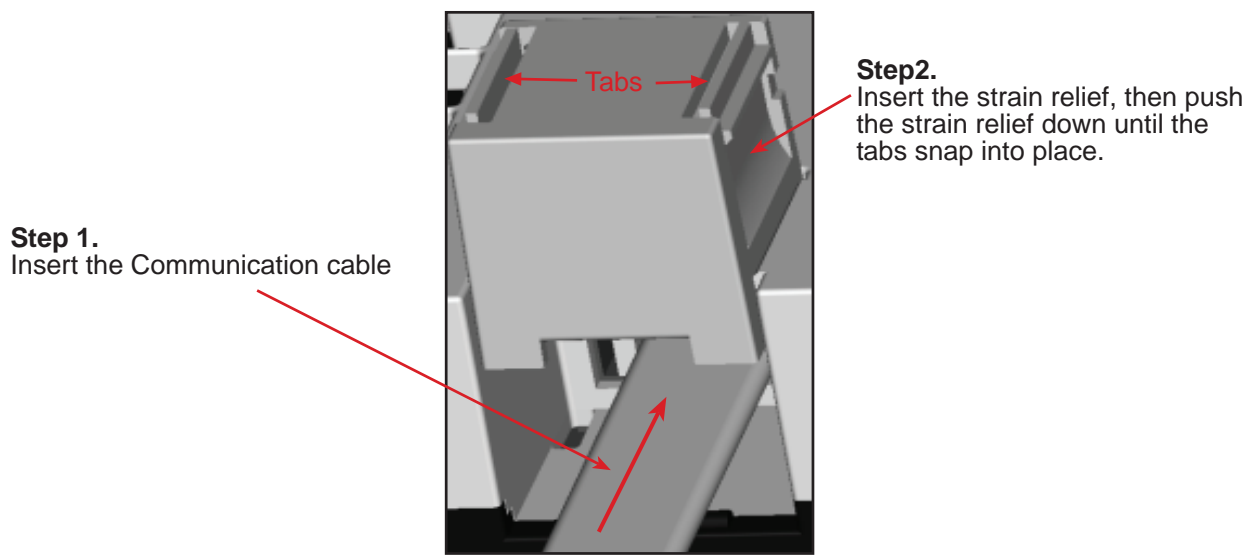


Figure 7.

15. Locate the common mode communication filter. Open the shell and insert (1) complete loop. Close and snap the shell shut. See Figure 8. The filter is to be located as close to the Interface Unit as possible.

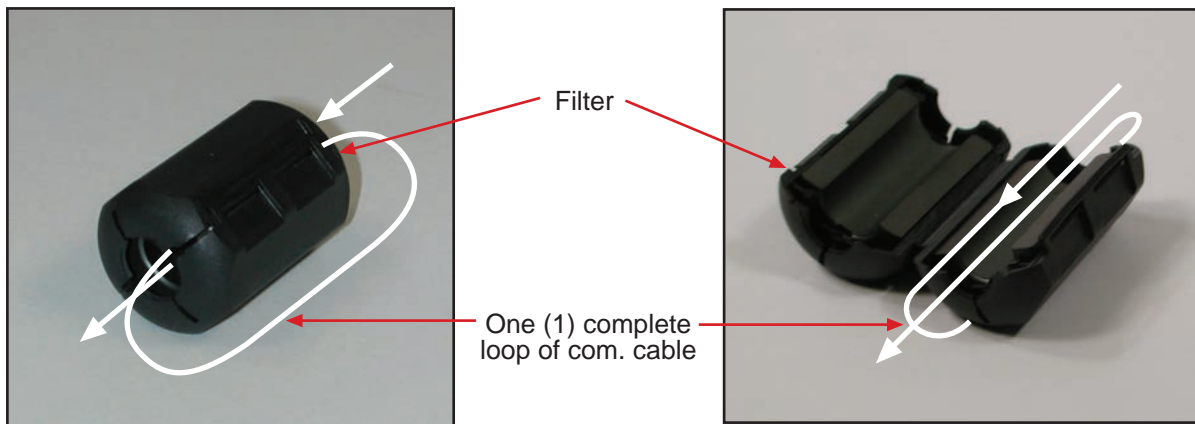


Figure 8.

16. Locate the cable tie mounting pads and cable ties. Rough the communication cable to the CIM or DIM located in the door panel.

17. Route the communication cable through the cable strain relief's located on the back of the Door Bezel and insert the connector into the CIM or DIM. See Figure 9. If the cover is to be used proceed, if not got to step 25.

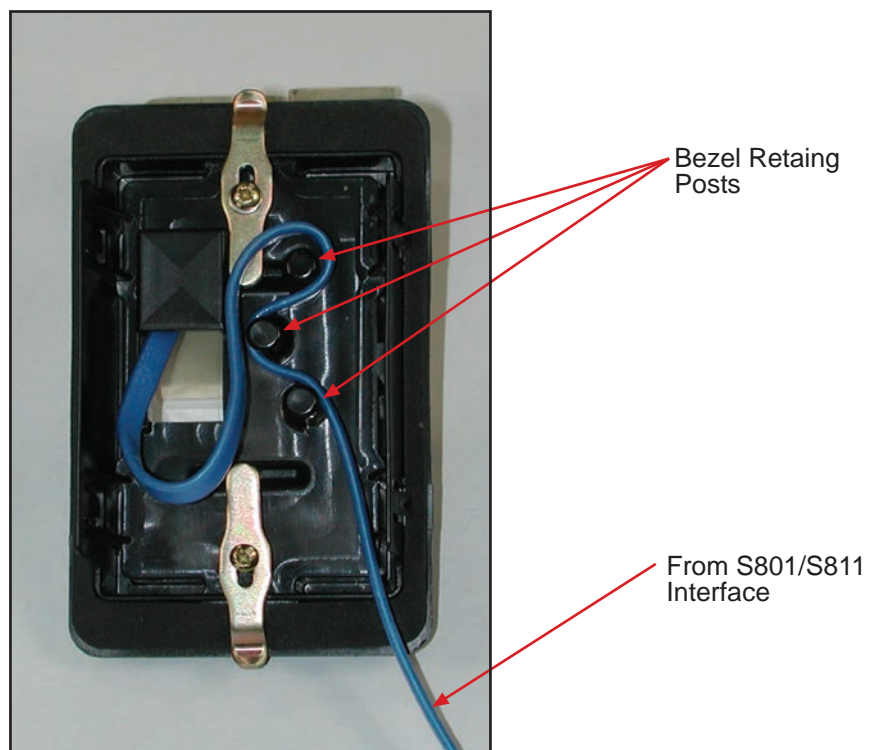


Figure 9.

18. Locate the bezel cover and the retaining cord. Insert the conical tipped end through the hole located below the cover latch. See Figure 10.

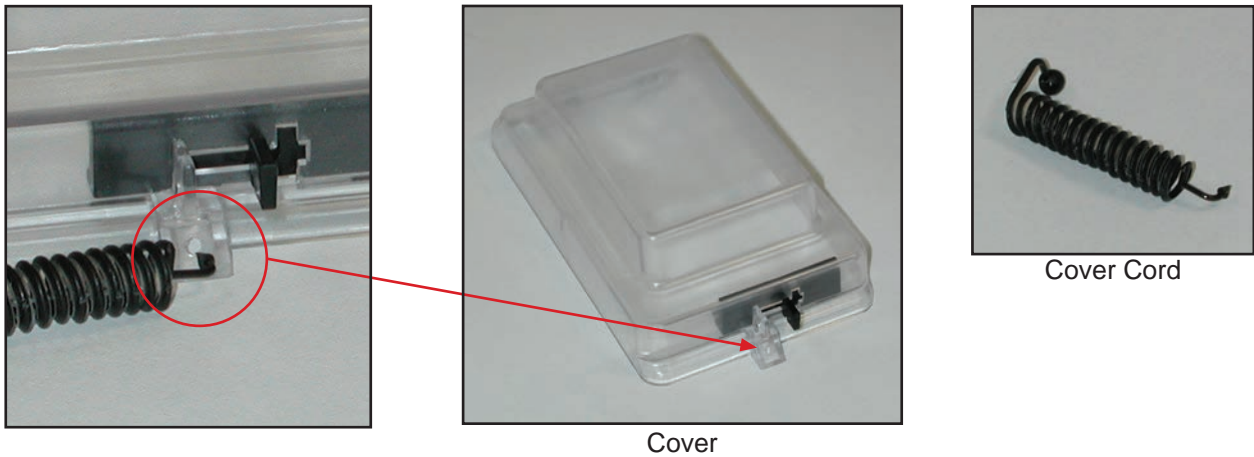


Figure 10.

19. Locate the Cover Cord Mount and place the cylinder end into the 6,6mm [0.26] diameter hole.

20. Place the rounded end of the Cord Mount into the lower half of the socket and rotate the other half of the mount via the living hinge to form a socket to secure the rounded end of the cord.

21. Locate the #6 screw and tighten the screw until it is snug against the mount. See Figure 11.

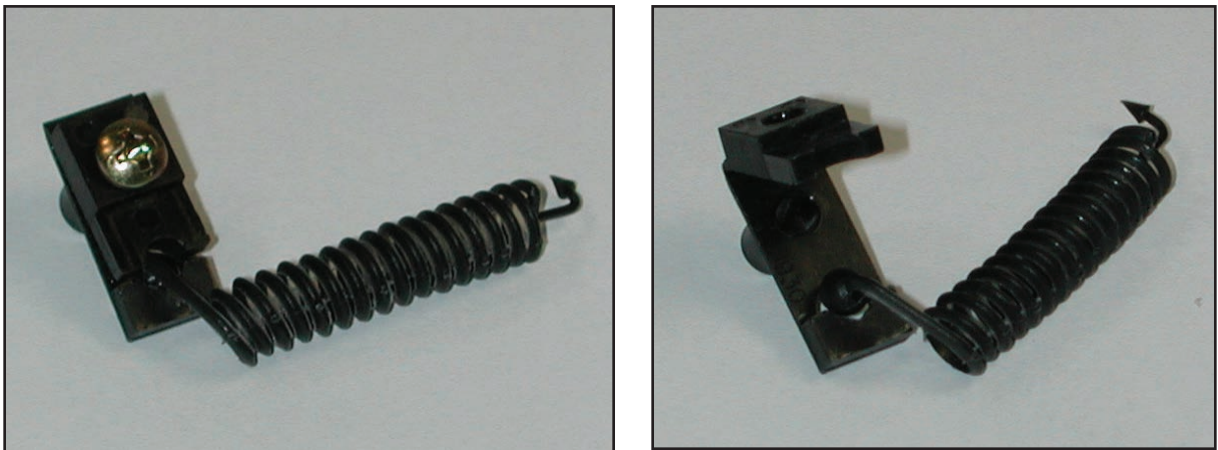
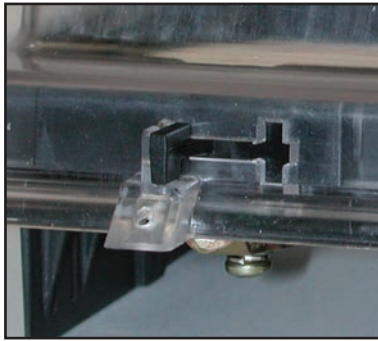
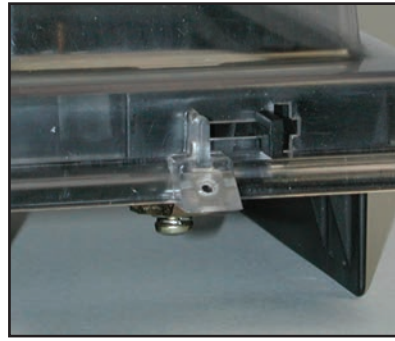


Figure 11.

22. Slide the bezel locking latch to the extreme right. See Figure 12.



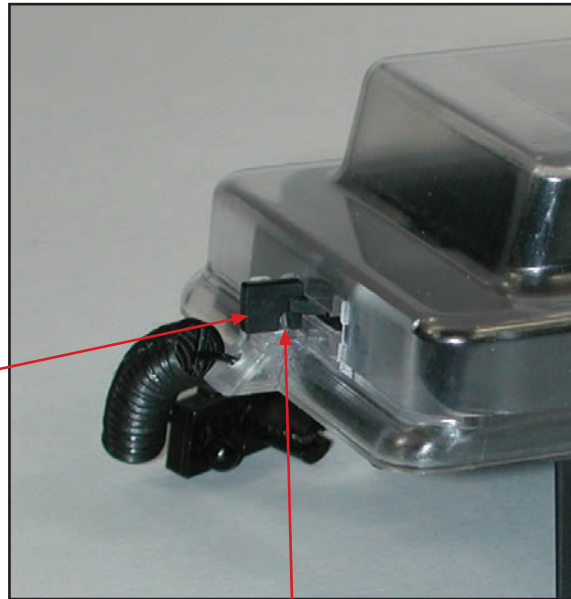
Locked



Unlocked

Figure 12.

23. Position Cover over Bezel at a 30 degree angle to the door or panel. Move the cover down and position the Bezel cover nibs into the cover nib socket located on the Bezel. Rotate the Cover toward the door or panel. Slide the latch to the left to lock. See Figure 13.



Locking Hole for Seal

Figure 13.

24. To secure, insert seal wire through locking tab and bezel cover. Insert wire ends through seal hole, remove excess wire from loop and squeeze seal. See Figure 13.

Eaton Corporation
Electrical Sector
1111 Superior Avenue
Cleveland, OH 44114
United States
877-ETN-CARE (877-386-2273)
Eaton.com

© 2011 Eaton Corporation
All Rights Reserved
Publication No. P49713 / 001
March 2011



**PowerChain
Management®**

PowerChain Management is a registered trademark of Eaton Corporation.

All other trademarks are property of their respective owners.