

**Automation & Control Solutions**

Sensing and Control

Electromechanical – Industrial Switches

April 10, 2014

**PLEASE READ CAREFULLY –  
Important Product Safety Notice Follow Up**

Following our Notice dated February 27, 2014, regarding our Honeywell Residential (Elevator) Door Interlock (RDI) Switches that contain a plastic cam, and all of our RDI2 Elevator Door Interlock Switches (collectively, the “Affected Products”), we have had conversations with many of our customers regarding the return process.

Please recall that the Affected Products exceed the relevant ASME 17.1 regulatory standards. Under normal operating conditions, the Affected Products do not pose a safety risk. We are taking this action out of an abundance of caution.

Honeywell’s main focus with our Notices has always been to remove and replace all of the Affected Product in the field as quickly as possible. After speaking with many of our customers, Honeywell is now offering an additional “rework” option to ensure that we can provide all safe means necessary to remove and replace the Affected Products.

For those Affected Products listed in attached Table 1.1 (RDIs), Honeywell is now offering customers the option of having a qualified elevator technician remove the plastic cams and replace them with metal cams in the field according to the installation instructions included with this Notice. If this option is preferred over a complete product removal and replacement, Honeywell will send you a free metal cam replacement kit for those plastic cams installed in the Table 1.1 Affected Products. The Affected Products listed in attached Table 1.2 (RDI2s) cannot be reworked with field replacement of plastic cams for metal cams.

For each plastic cam replaced in a Table 1.1 Affected Product and returned to Honeywell, and for each Table 1.2 Affected Product (in used condition) that is returned to Honeywell, Honeywell will provide a \$50 credit as compensation for the work performed by the qualified elevator technician. Honeywell Customer Care will issue these credits when Honeywell receives the plastic cams or the complete unit, as the case may be, via our Return Materials Authorization (RMA) process.

To request the metal cam replacement kit (Honeywell part number 15PA330-Gk) for field replacement, please contact Honeywell Customer Care at one of the following telephone numbers:

North America:	+1 (800) 537 6945	Taiwan:	+886 (2) 2245 1000
Europe:	+44 (0) 1698 481481	Singapore:	+65 (6) 255 2828
Shanghai:	+86 (21) 2219 6888	Australia:	+61 (2) 9353 7810
Seoul:	+82 (2) 799 6159	India:	+91 (20) 6603 9400
Tokyo:	+81 (3) 6730 7208		

We apologize for any inconvenience this issue may cause and are committed to working with you to resolve this issue. Please understand that time is of the essence and we ask for your assistance to make sure this issue is resolved as quickly as possible.

Best regards,

A handwritten signature in black ink, appearing to read "Tom Werner", with a long horizontal flourish extending to the right.

**Tom Werner**

Global Senior Product Marketing Manager  
Industrial Limit Switches

<b>Table 1.1 (RDI) - Field Rework or Factory Replacement Options Available</b>		
<u>Catalog Listing</u>	<u>New Catalog Listing</u>	<u>Date Code That Should Be Returned</u>
RDI-A-L	RDI-A-L	0937 to 1317
RDI-A-R	RDI-A-R	0937 to 1317
RDI-C-L	RDI-C-L	0815 and later
RDI-C-R	RDI-C-R	0815 and later
RDI-C-L1	RDI-C-L1	all date codes
RDI-C-R1	RDI-C-R1	all date codes
RDI-G-L	RDI-G-L	all date codes
RDI-G-R	RDI-G-R	all date codes
RDI-G-L1	RDI-G-L1	all date codes
RDI-G-R1	RDI-G-R1	all date codes
RDI-D-L	RDI-D-L	all date codes
RDI-D-R	RDI-D-R	all date codes
RDI-D-L1	RDI-D-L1	all date codes
RDI-D-R1	RDI-D-R1	all date codes
RDI-G-LP1	RDI-G-LP1	all date codes
RDI-G-RP1	RDI-G-RP1	all date codes
RDI-G-L5B	RDI-G-L5B	all date codes
RDI-G-R5B	RDI-G-R5B	all date codes

<b>Table 1.2 (RDI2) - Factory Replacement Option Available - No Field Rework Available</b>		
<u>Catalog Listing</u>	<u>New Catalog Listing</u>	<u>Date Code That Should Be Returned</u>
RDI2LBP1	RDI-H-LP	all date codes
RDI2LBP1-TK	RDI-H-LP	all date codes
RDI2LBP2	RDI-H-L5P	all date codes
RDI2LBP2-1	RDI-H-L5P1	all date codes
RDI2LBP2-TK	RDI-H-L5P	all date codes
RDI2LBS1	RDI-H-L	all date codes
RDI2LBS2	RDI-H-L5	all date codes
RDI2RBP1	RDI-H-RP	all date codes
RDI2RBP1-TK	RDI-H-RP	all date codes
RDI2RBP2	RDI-H-R5P	all date codes
RDI2RBP2-1	RDI-H-R5P1	all date codes
RDI2RBP2-TK	RDI-H-R5P	all date codes
RDI2RBS1	RDI-H-R	all date codes
RDI2RBS2	RDI-H-R5	all date codes

# Cam Replacement Instructions for the Relialign™ RDI Series Residential Door Interlock

### ⚠️ WARNING

Relialign™ Series residential door interlocks are not a sealed switch. It is not recommended to be used in the areas where liquid or oil may splash.

### ⚠️ WARNING

#### RISK TO LIFE OR PROPERTY

Never use this product for an application involving serious risk to life or property without ensuring that the system as a whole has been designed to address the risks, and that this product is property rated and installed for the intended use within the overall system.

**Failure to comply with these instructions could result in death or serious injury.**

### SCOPE

These instructions will describe and illustrate the process of disassembling Residential Door Interlock (RDI) Switches, replacing the plastic cam with a metal cam, reassembling the unit, and verifying proper system operation. Note that RDI2 Series Switches cannot be reworked. Please contact Honeywell Customer Care at 800-537-6945 to arrange for an equivalent RDI Series replacement product for your RDI2 Series Switch(es).

### SAFETY CONCERNS

PPE: Safety glasses.

Restrictions: This replacement is only to be performed by a qualified elevator technician.

### QUALITY CONCERNS

No special precautions.

### REASON FOR REPLACEMENT

A potential safety issue has been identified that affects RDI Series Switches that contain a plastic cam, and all RDI2 Series Switches. Specifically, instances have occurred in which excessive pull force has been applied to the affected products, resulting in a plastic cam failure which can pose a potential safety risk to the end user.

Please note that the affected products exceed the relevant ASME 17.1 regulatory standards. Under normal operating conditions, the affected products do not pose a safety risk

### PARTS REQUIRED

A parts replacement packet (Honeywell part number: 15PA330-GK) is available from Honeywell to update one (1) RDI Series Switch. This package contains a metal replacement cam and Loctite. It also includes a package of springs, screws and ball

bearings that are not required to be replaced, but are provided in case any of these parts – because of their small size – are lost during the replacement operation.

### IDENTIFICATION OF RDI SERIES SWITCHES APPLICABLE TO THIS CAM REPLACEMENT

To determine if the plastic cam should be replaced or if the entire switch should be replaced with a new unit:

Review the catalog listing and date code found on the end of the product (as illustrated here).



For RDI Series Switches – Check to see if the product is listed in Table 1. If the product is listed you have the option to have a cam replacement performed per these instructions or to contact Honeywell Customer Care in order to obtain a new replacement product.

**Table 1. Affected Catalog Listings**

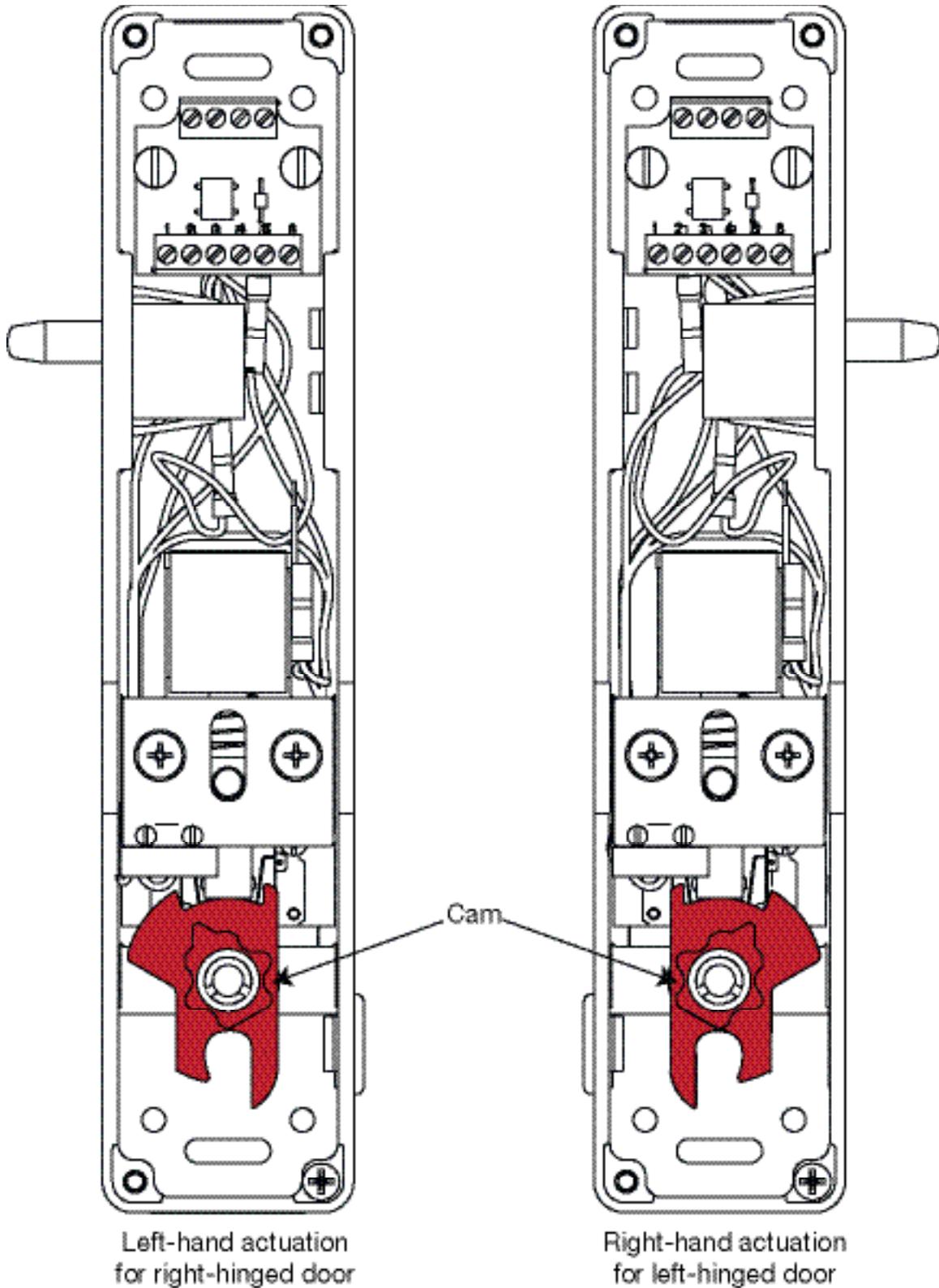
Catalog Listing	Date Code
RDI-A-L	0937 to 1317
RDI-A-R	0937 to 1317
RDI-C-L	0815 and later
RDI-C-R	0815 and later
RDI-C-L1	all date codes
RDI-C-R1	all date codes
RDI-G-L	all date codes
RDI-G-R	all date codes
RDI-G-L1	all date codes
RDI-G-R1	all date codes
RDI-D-L	all date codes
RDI-D-R	all date codes
RDI-D-L1	all date codes
RDI-D-R1	all date codes
RDI-G-LP1	all date codes
RDI-G-RP1	all date codes
RDI-G-L5B	all date codes
RDI-G-R5B	all date codes

For RDI2 Series Switches – These products cannot be reworked. Please contact Honeywell Customer Care in order to arrange for an equivalent RDI Series replacement product for your RDI2 Series Switch(es).

# Cam Replacement Instructions for Relialign RDI Series

ISSUE A **50097156**

FIGURE 1. INTERLOCK CAM LOCATION (for reference only)



# Cam Replacement Instructions for Relialign RDI Series

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## CAM REPLACEMENT INSTRUCTIONS

This will remove the plastic cam and replace it with the metal cam.

### IMPORTANT

This rework operation is only to be performed by a qualified elevator technician.

### IMPORTANT

Turn off the power source to the interlock prior to performing the replacement operation.

### IMPORTANT

In order to perform this replacement operation, the elevator car must be present at the floor where the interlock is installed in order to access the interlock. **DO NOT USE THE SAFETY OVERRIDE KEY TO UNLOCK A DOOR WHERE A CAR IS NOT PRESENT.**

NOTE: The below steps most likely can be accomplished without removing the interlock assembly from the door jamb.

1. Using a No. 2 Phillips, remove the four (4) cover screws.



2. Hold the locking pin away from the plastic cam, and rotate the cam back and forth a few times to get a feel for proper operation of the cam. Some force will be required.



3. Using a 5/32 allen wrench, loosen the two (2) set screws on each side by turning the screws CCW, two full revolutions. **DO NOT REMOVE THE SCREWS COMPLETELY AS THERE ARE PARTS THAT MAY FALL OUT.** Behind each set screw are two (2) springs and a ball detent. If the screw is completely removed by accident, make sure that these parts are present prior to reinstalling the screw. The ball goes in first, then the small spring, then the large spring. Additional balls and springs are included in the parts replacement packet in case any of these parts are lost. **There will be approx. two threads visible when viewed from outside the unit.**



4. Make a note of the orientation of the cam. The opening of the cam should be directed toward the landing door. It is important that you install the new metal cam in the correct orientation.



5. Remove the plastic cam by rotating it toward the elevator car. When the arrow on the cam is pointing up, you will be able to pull the cam off the shaft.
6. Ensure the ball detents are not in contact with the cam shaft. If they are, the cam cannot be fully inserted and you must push them back into the housing using a small screwdriver.



# Cam Replacement Instructions for Relialign RDI Series

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**NOTE:** the new cam is metal and is a light color, not black plastic.



7. Insert new metal cam in the same orientation as noted in step 4. To start the insertion, make sure the arrow on the cam is pointing toward the center of the unit (toward the solenoid).



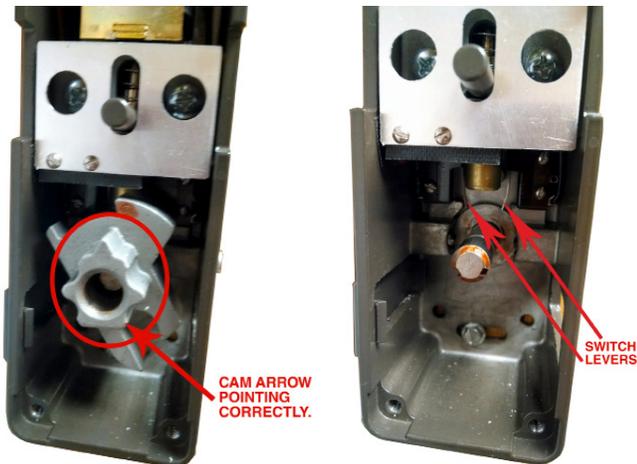
9. Tighten the two (2) set screws two full revolutions. The face of the set screw should be flush with the side of the interlock housing. If it is not, adjust the set screw to achieve this. Wipe off excess Loctite with a rag.



10. Hold up on the locking pin and rotate the new metal cam back and forth a few times to ensure smooth operation and no binding. The operation should feel like what was noted in step 2.

## **STOP** IMPORTANT

Use caution to avoid pressing the cam down on the switch levers. The cam must fit in between the two switch levers.



8. Add 1 drop of the provided Loctite 242 to the exposed threads of each of the two (2) set screws.

## **STOP** IMPORTANT

Before reinstalling cover, ensure that the cam is rotated with the cam forks facing toward the latch opening in the housing. **FAILURE TO DO THIS CAN CAUSE DAMAGE TO THE CAM OR LATCH WHEN THE DOOR IS SHUT.**

11. Reinstall the (4) four cover screws.
12. Repeat steps 1 through 11 for all interlocks at each floor of the elevator system.
13. Turn on system power and verify proper operation of each interlock.

## **STOP** IMPORTANT

When the installation is complete, exercise the interlock for proper operation at each floor, ensuring the door is locked when the car is not present and that the door will open when the car is present.

# Cam Replacement Instructions for Relialign RDI Series

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## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

E-mail: [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

Internet: [sensing.honeywell.com](http://sensing.honeywell.com)

Phone and Fax:

USA/Canada +1-800-537-6945

International +1-815-235-6847; +1-815-235-6545 Fax

## PERSONAL INJURY WARNING

**DO NOT USE** these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

## WARNING

Honeywell does not recommend using devices for critical control applications where there is, or may be, a single point of failure or where single points of failure may result in an unsafe condition. It is up to the end-user to weigh the risks and benefits to determine if the products are appropriate for the application based on security, safety and performance. Additionally, it is up to the end-user to ensure that the control strategy results in a safe operating condition if any crucial segment of the control solution fails. Honeywell customers assume full responsibility for learning and meeting the required Declaration of Conformity, Regulations, Guidelines, etc. for each country in their distribution market.

Sensing and Control

**Honeywell**

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# Honeywell

## RDI Cam Replacement Kit

New cam identified with a red dot in the cavity ID location



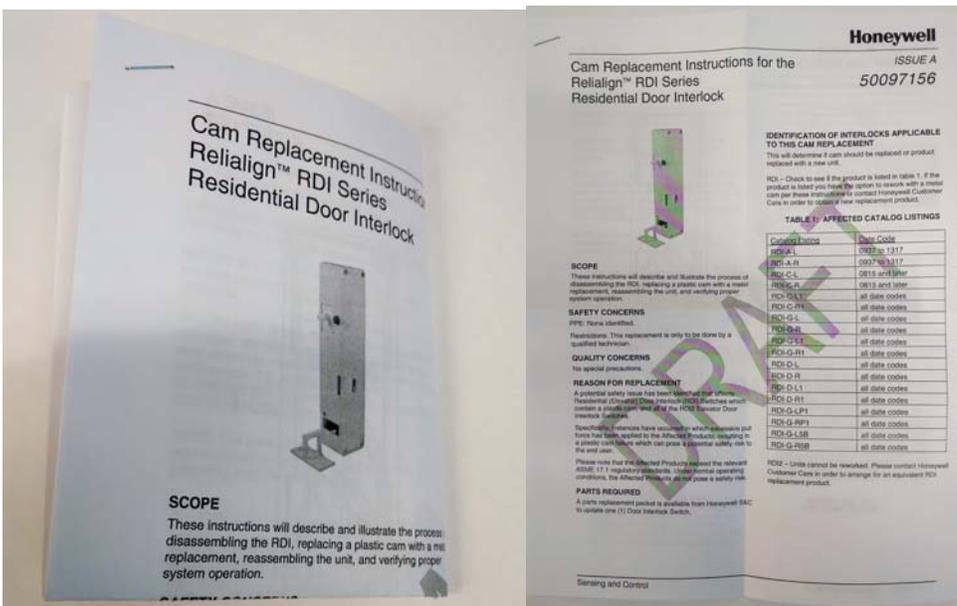
Pre-greased cam sealed in plastic bag



Screws, springs, and balls sealed in a plastic bag so that they are not loose



Installation Instructions folded to 4.25" x 5.5"



**.02 oz Loctite capsule included in the package**



**All of the above contents provided in a sealed and labeled plastic bag**

