

General Information or Other (PAR)

Event # 40691

<b>Rep Org:</b> AREVA ELECTRICAL PRODUCTS		<b>Notification Date / Time:</b> 04/21/2004 13:07 (EDT)	
<b>Supplier:</b> AREVA ELECTRICAL PRODUCTS		<b>Event Date / Time:</b> 04/21/2004 (EDT)	
<b>Last Modification:</b> 04/21/2004			
<b>Region:</b> 1	<b>Docket #:</b>		
<b>City:</b> CRANBERRY TOWNSHIP	<b>Agreement State:</b> No		
<b>County:</b>	<b>License #:</b>		
<b>State:</b> PA			
<b>NRC Notified by:</b> FRAN STARR	<b>Notifications:</b> DAVID HILLS	R3	
<b>HQ Ops Officer:</b> JEFF ROTTON	VERN HODGE	NRR	
<b>Emergency Class:</b> NON EMERGENCY	DAVID SILK	R1	
<b>10 CFR Section:</b>	TERRANCE REIS	NRR	
21.21	UNSPECIFIED PARAGRAPH		

**PART 21 NOTIFICATION INVOLVING VOLTAGE MONITORING RELAYS**

"The following information is provided pursuant to the requirements of 10CFR Part 21 to report a potential safety concern. A potential safety condition may exist with the Eaton Cutler-Hammer D65 Series B1 Voltage Monitoring Relay that can cause the unit to bypass the Manual Reset feature. This could result in the D65 relay being energized without an operator manually resetting it resulting in possible personal injury or death or property damage. This condition exists with Eaton Cutler-Hammer D65 Series B1 Voltage Monitoring Relays with a manufacturing date between May 12, 2002 and February 20, 2004.

"On March 25, 2004, Framatome/AREVA Electrical Products received the attached Eaton Cutler Hammer Product Safety Warning for D65 Voltage Monitoring Relays, dated March 24, 2004. The Product Safety Warning states that Eaton's Cutler-Hammer D65 Series B1 Voltage Monitoring Relays with a manufacturing date identified above may power up without being manually reset even when a NC [Normally closed] switch is wired to activate manual reset mode. This condition is only present when used in applications operating in the manual reset mode. This condition is not present when the device is used in automatic reset mode. This condition may only result when the D65 Series B1 is used and will not result if the A1 Series is used (as the A1 series did not offer the potential for manual reset).

"The supply of Safety Related D65 Voltage Monitoring Relays by Framatome/AREVA Electrical Products is isolated to only one Nuclear Customer (i.e. First Energy - Davis Besse Nuclear Power Plant). The First Energy Davis Besse Nuclear Power Plant was notified by Framatome/AREVA Electrical Products on April 2, 2004."

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JE19



AREVA – Electrical Products  
 Electrical Products, Pittsburgh  
 200 West Kensington Drive, Suite 600  
 Cranberry Township, Pennsylvania 16066

## FAX COVER SHEET

<b>Date:</b>	April 21, 2004	<b># of pages:</b> (including cover page)	5
<b>To:</b>	NRC Operations Center		
<b>Company:</b>	United States Nuclear Regulatory Commission		
<b>Telephone #:</b>	(301)-816-5100	<b>Fax #:</b>	(301)-816-5151
<b>From:</b>	Fran Starr - Quality Manager AREVA Electrical Products		
<b>Company:</b>	Framatome ANP, Electrical Products		
<b>Telephone #:</b>	724-779-9800 – Ext. 1321	<b>Fax #:</b>	724-779-9844

### COMMENTS:

Subject: 10CFR Part 21 NRC Initial Notification

Attached please find Framatome ANP, Inc. - AREVA Electrical Products, Letter No. LTR 04117 which identifies a potential safety concern associated with Eaton Cutler-Hammer D65 Voltage Monitoring Relays.

Should you have any questions, please contact me at (724) 779-9800, ext 1321.

Thank You,

Fran Starr

Quality, Manager - AREVA Electrical Products

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND/OR CONFIDENTIAL AND PROPRIETARY TO FRAMATOME ANP, INC. If you are not the intended recipient, or an employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us by mail. Thank you.



April 21, 2004

LTR 04117

Document Control Desk  
United States Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Director, Office of Inspection and Enforcement

Subject: Potential Safety Condition for Eaton Cutler-Hammer D65 Voltage Monitoring Relays

The following information is provided pursuant to the requirements of 10CFR Part 21 to report a potential safety concern. A potential safety condition may exist with the Eaton Cutler-Hammer D65 Series B1 Voltage Monitoring Relay that can cause the unit to bypass the Manual Reset feature. This could result in the D65 relay being energized without an operator manually resetting it resulting in possible personal injury or death or property damage. This condition exists with Eaton Cutler-Hammer D65 Series B1 Voltage Monitoring Relays with a manufacturing date between May 12, 2003 and February 20, 2004.

On March 25, 2004, Framatome/AREVA Electrical Products received the attached Eaton Cutler-Hammer Product Safety Warning for D65 Voltage Monitoring Relays, dated March 24, 2004. The Product Safety Warning states that Eaton's Cutler-Hammer D65 Series B1 Voltage Monitoring Relays with a manufacturing date identified above may power up without being manually reset even when a NC switch is wired to activate manual reset mode. This condition is only present when used in applications operating in the manual reset mode. This condition is not present when the device is used in automatic reset mode. This condition may only result when the D65 Series B1 is used and will not result if the A1 Series is used (as the A1 series did not offer the potential for manual reset).

The logic board of the relay is being powered by two of the three phases. It is Phases B and C for the surface mount units (style numbers beginning with D65VMLS) and Phases A and C for the plug-in units (style numbers beginning with D65VMLP). If either of the phases being used to power the logic board is lost, the logic board configurations are lost and the unit will go into Power Up mode upon clearing of the fault. The unit will not operate as if it is wired for Manual Reset Mode.

ONLY the style numbers identified below are affected:

- D65VMLS480-B1
- D65VMLS120-B1
- D65VMLS600-B1
- D65VMLP480-B1
- D65VMLP120-B1

**FRAMATOME ANP, INC.**

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Cranberry Township, Pennsylvania 16066  
Phone: 724-779-9800 / Fax: 724-779-9844 [www.ardva.com](http://www.ardva.com)

Document Control Desk  
Director, Office of Inspection and Enforcement  
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LTR 04117

**ONLY** date codes between 0320 and 0408 are affected. The date code of the unit can be determined by finding the four-digit numerical code on the lower left side of the product label located on the left side of the unit. The right side of the unit has a label to identify the type of fault which has occurred based upon LED status. The date code is on the label on the opposite side of the unit. The first two digits of the date code represent the year of manufacturer while the second two digits represent the month of manufacture.

If a D65 Series B1 Voltage Monitoring Relays with a Manufacturing Date Code between 0320 and 0408 is being utilized and the application requires manual reset, replacement of the unit is required. If the automatic reset mode is being utilized, the unit will operate properly and is not subject to the condition identified in the attached Eaton Cutler-Hammer Product Safety Warning, however, replacement of the unit is suggested by Eaton Cutler-Hammer. If the unit is not replaced for any reason, the units must be labeled to explain to any future user not to use the unit in the manual reset mode.

The supply of Safety Related D65 Voltage Monitoring Relays by Framatome/AREVA Electrical Products is isolated to only one Nuclear Customer (i.e. First Energy – Davis Besse Nuclear Power Plant). The First Energy Davis Besse Nuclear Power Plant was notified by Framatome/AREVA Electrical Products on April 2, 2004.

Framatome/AREVA Electrical Products recommends the replacement of all D65 Series B1 Voltage Monitoring Relays with a manufacturing Date Code between May 12, 2003 and February 20, 2004. For additional information regarding product replacement, please contact Laurence Patterson, Project Management – AREVA Electrical Products at (724) 779-9800 ext. 1317.

Sincerely,  
AREVA Electrical Products



Fran Starr  
Quality Manager

Attachment: Eaton Cutler-Hammer Product Safety Warning, D65 Monitoring Relays, dated 3/24/04

cc: Gary Gibson – ELP  
Laurence Patterson – ELP  
Dan Mikow – ELP  
Joe Beene – ELP  
Dan Livermore – ELP  
William Orga – ELP  
Jim Mallay – FANP  
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Cutler-Hammer

4201 N. 27<sup>th</sup> St.  
Milwaukee, WI 53218  
tel: (414) 449-6000  
fax: (414) 449-7318

March 24, 2004

To: Valued Eaton Customer

## Product Safety Warning

### D65 Voltage Monitoring Relays

### For Applications Using Manual Reset Mode

Eaton Corporation has identified a quality issue with our D65 Series B1 Voltage Monitoring Relay that can cause the unit to bypass the Manual Reset feature. This could result in the D65 relay being energized without an operator manually resetting it resulting in possible personal injury or death or property damage. This document describes which products and what applications are affected, and the corrective actions required.

If you are using a D65 relay with the Manual Reset feature, the unit must be replaced. As part of our standard warranty process, Eaton will arrange to send you replacement devices in advance to facilitate easier replacement. The replacement D65 products are identified as Series B2 devices.

A modification has been made to the software for this device that will permanently eliminate any potential for this condition occurring in the future. When in the manual reset mode, the reset button must be opened on power up and after a fault has been cleared to allow the unit to operate normally. In addition, the adjustable time delay (1-300 seconds) now applies both on power up and on restart after a fault has been cleared. All other features of the product remain the same.

#### Description

Eaton's Cutler-Hammer D65 Series B1 Voltage Monitoring Relays with a Manufacturing Date between *May 12, 2003 and February 20, 2004* may power up without being manually reset – even when a NC switch is wired to activate manual reset mode. This could result in personal injury, equipment damage, or death. **This condition is only present when used in applications operating in the manual reset mode. This condition is not present when the device is used in automatic reset mode.** This condition may only result when the D65 Series B1 is used and will not result if the A1 Series is used (as the A1 series did not offer the potential for manual reset). A list of affected style numbers is found later in this document.

The logic board of the relay is being powered by two of the three phases. It is Phases B and C for the surface mount units (style numbers beginning with D65VMLS) and Phases A and C for the plug-in units (style numbers beginning with D65VMLP). If either of the phases being used to power the logic board is lost, the logic board configurations are lost and the unit will go into Power Up mode upon clearing of the fault. The unit will not operate as if it is wired for Manual Reset Mode.

### Corrective Actions

If you are using a D65 Series B1 Voltage Monitoring Relay with a Manufacturing Date Code between 0320 and 0408 and your application requires manual reset, we require you to return the device for a no-charge replacement unit using standard warranty procedures.

If you are using automatic reset mode, the unit will operate properly and is not subject to the condition described in this document. However, we suggest that you return the unit for a replacement device through standard warranty procedures. If you decide not to replace the unit for any reason, you must apply the enclosed sticker somewhere visible on the unit to explain to any future user not to use the unit in the manual reset mode.

### Product Identification

- **ONLY** the style numbers listed below are affected:
  - D65VMLS480-B1
  - D65VMLS120-B1
  - D65VMLS600-B1
  - D65VMPLP480-B1
  - D65VMPLP120-B1
- **ONLY** date codes between 0320 and 0408 are affected. You can determine the date code of your unit by finding the four-digit numerical code on the lower left side of the product label located on the left side of the unit. The right side of the unit has a label to identify the type of fault which has occurred based upon LED status – the date code is on the label on the opposite side of the unit. The first two digits of the date code represent the year of manufacture while the second two digits represent the month of manufacture. Date codes 0320 through 0408 are affected.

Help in filing a warranty claim is available by calling the local distributor who sold the unit. If you can not identify where the unit was purchased from, please call Eaton at (800) 410-2910 to get a replacement. Please call Betty Robinson in our Warranty Department at 828-651-0942 for other questions regarding this Product Warning. Eaton continuously strives to produce the highest quality products. We apologize for any inconvenience that this may have caused you.

Sincerely,

Kerry J. Tingley  
Product Manager  
Industrial Controls Division