GE Meter & Control

General Electric Company
205 Great Valley Parkway, Malvern, PA 19355-0715

Dial Comm:

50.280
-281

FEBRUARY 2, 1990

DR. THOMAS E. MURLEY
DIRECTOR, OFFICE OF NUCLEAR REACTOR REGULATION
UNITED STATES NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

SUBJECT: TYPE SLV11A1 OVER/UNDER VOLTAGE RELAY

DEAR DR. MURLEY:

THIS LETTER IS TO NOTIFY YOUR OFFICE OF A POTENTIALLY REPORTABLE CONDITION PURSUANT TO 10CFR21. WE ARE CONCERNED ABOUT A CONDITION IN WHICH THE SLV11A OVER/UNDER VOLTAGE RELAY WOULD FAIL TO OPERATE. WE LEARNED OF THIS CONDITION AFTER COMPLETING AN INVESTIGATION INTO A DEFECTIVE RELAY RETURNED FROM ONE USER.

TECHNICAL DETAILS ARE CONTAINED IN THE ATTACHED LETTER WHICH IS BEING SENT TO ALL PURCHASERS ON RECORD WHO PURCHASED THE RELAY FOR 1E USE. A SIMILAR LETTER IS BEING SENT TO OUR GENERAL MAILING LIST OF CUSTOMERS. THIS RELAY HAS LITTLE USE IN 1E APPLICATION. TWO CUSTOMERS, VIRGINIA POWER AND GE-SAN JOSE HAVE PURCHASED IT FOR 1E USE.

SINCERELY YOURS,

James E Teague

JAMES E. TEAGUE
MANAGER, PRODUCT ENGINEERING

ATTACHMENT: CUSTOMER LETTER

cc: T.E. MORLEY (NRC) 2
E.W. BRACH (NRC)
C.H. BERLINGER (NRC)
W.T. RUSSELL (NRC)
C.E. ROSSI (NRC)

Cert No
P526603463

IE19
1/1

Add: T. Murley 4r Encl
1 1

GE Meter & Control

General Electric Company
205 Great Valley Parkway, Malvern, PA 19355-0715

Dial Comm:

February 2, 1990

(Customer name)
(address)

Subject: GE Type SLV11A Relays

Gentlemen:

Our records indicate that you have purchased Type SLV11A Voltage Relays for Nuclear 1E application on the purchase orders shown on the attached list. This letter is to notify you of a potentially reportable condition pursuant to 10CFR21.

We have just completed an investigation into a field failure report of an SLV11A relay. This is a three phase over/under voltage relay containing separate threshold detection cards for each phase. The field report indicated that two of the three PC cards failed to produce an output.

Our lab evaluation of the returned relay indicated that component IC5 was defective on each PC card that had failed to produce an output. On each PC card with a defective IC5 we also found the exposed lead of capacitor C12 was touching the exposed lead of resistor R29. A short between these component leads will result in damage to component IC5, preventing a relay output from the associated phase.

A review of the layout of the card indicated that C12 and R29 are adjacent to a user selection link identified as the "count select". It is possible that C12 can be accidently pushed into contact with R29 during placement of the count select jumper.

Relays in the field may be inspected for clearance between C12 and R29. Figure 1, attached, shows the location of these components on the threshold detection board. Functional performance of the relay may be verified using the procedure in the testing section of the SLV11A instruction book, GEK-65535.

Users may determine from their application of the relay if a safety hazard could be created by the condition described above.

Sincerely yours,

James E. Teague

James E. Teague
Manager, Product Engineering

Attachment: Figure 1
P. O. list

ATTACHMENT TO GE LETTER DATED FEBRUARY 2,1990

SUBJECT: SLV11A STATIC OVER/UNDER VOLTAGE RELAY

THRESHOLD DETECTION BOARD

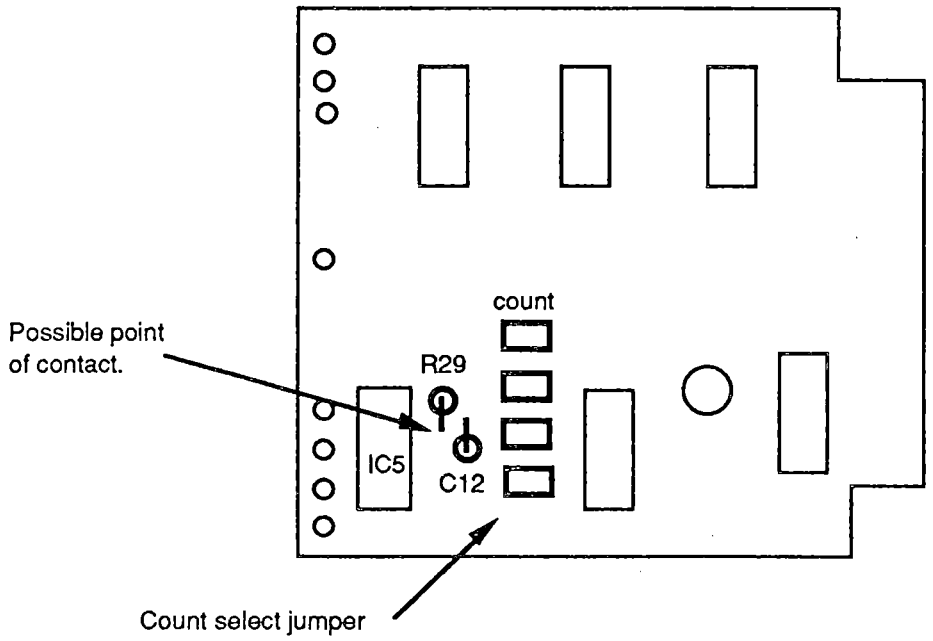

FIGURE 1