

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

50-244

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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FACIL: 50244
 AUTH. NAME: SMITH, R.E.
 RECIP. NAME: RUSSELL, W.T.
 AUTH. AFFILIATION: Rochester Gas & Electric Corp.
 RECIPIENT AFFILIATION: Region 1, Ofc of the Director

SUBJECT: Part 21 rept re Foxboro Spec 200 termination modules, four Model N2AK+T & three Model N2AK+K. Defects identified in metallic termination module labels found w/clearances less than acceptable Foxboro std of 0.06 inches.

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ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649-0001

ROBERT E. SMITH
Senior Vice President
Production and Engineering

TELEPHONE
AREA CODE 716 546-2700

October 25, 1989

Mr. William T. Russell
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Subject: 10 CFR 21 Notification
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Russell:

In accordance with 10 CFR 21, the following notification is hereby submitted:

Submitter: Robert E. Smith
Senior Vice President, Production & Engineering
Rochester Gas and Electric Corporation
89 East Avenue
Rochester, NY 14649

Facility: R. E. Ginna Nuclear Power Plant

Docket No.: 50-244

The basic components supplied which contained defects were Foxboro Spec 200 termination modules, four model no. N2AK+T and three model no. N2AK+K. The firm supplying these modules was The Foxboro Company.

Rochester Gas and Electric visually inspected all Spec 200 termination modules, both installed and in spare stock. All field installed modules were found to have the Foxboro standard for clearance of greater than 0.06 inches.

During the inspection of the in stock spare modules, the specific defects identified were the metallic termination module labels were found with clearances less than the acceptable Foxboro standard of 0.06 inches between the label and the signal input spade lugs, which could result in a shorted input signal.

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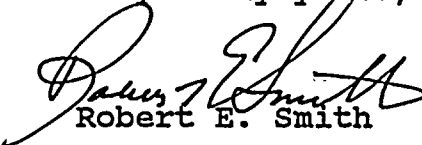
IE19
11

Rochester Gas and Electric Corporation has determined that, due to the configuration of modules, if installed with less than adequate clearance, could cause loss of Reactor Vessel Level Monitoring System (RVLMS) instrumentation, which is considered Class 1E safety related. Thus, the defect could create a "substantial safety hazard", based on resulting in a major degradation (inoperability) of essential safety related equipment.

The corrective action that was taken regarding this condition was per Foxboro recommendations (i.e. to move the label away from the lugs). These seven modules have been corrected. Additionally, the Quality Control Inspectors were informed of this problem so that during future receipt inspection activities, they may be identified prior to acceptance.

Information related to the defect in the basic component has been given to Rochester Gas and Electric from the vendor and is attached for your information.

Very truly yours,



Robert E. Smith

c: Director, Office of
Nuclear Reactor Regulation,
USNRC

11/11/11

The Foxboro Company

Mr. Roger W. Kober
Vice President, Electric and Steam Production
Rochester Gas & Electric Corporation
89 East Avenue
Rochester, NY 14649

August 3, 1989

R. E. Ginna Nuclear Power Plant

SUBJECT: Termination Modules used in Foxboro's SPEC 200
Product Line
Various Part Numbers (See Attachment I)

Dear Mr. Kober

This is to inform you that one of our nuclear customers has reported a problem with Foxboro's Custom Termination Modules. The problem was described to be the metallic label shorting the signal input spade lugs which resulted in a shorted input signal. We received two units from this customer. On one unit we could duplicate the problem; on the other unit we could not duplicate the problem, although the label looked to be very close to the spade lugs (less than .060 inch, which is our standard).

This is the first reported problem since we introduced these modules more than 18 years ago. We believe if similar modules are already installed in your system and no problems have been experienced to-date, the shorting of the label to the lugs is unlikely. However, we are recommending that you inspect the units for label proximity to the lugs. Any suspected units must be removed and tested for a short circuit between the spade lugs. If a short circuit exists, the only corrective action required is to move the label away from the lugs. Please check your spare parts inventory also.

We are sending this letter to all nuclear customers as a general notification. Since we cannot be sure of the actual application of these modules, we are requesting that the applicability of 10CFR21 be determined by the utilities.

We have instituted the use of a non-metallic label so as to avoid any future problems.

Also attached is the technical description of one of the modules (SI 1-01693), Attachment II. We have highlighted the area of potential problem on this attachment.

If you have any questions, please contact a field service representative at 1-800-441-6014.

S. H. Rizvi, N04-2B
Manager, Corporate Quality Assurance

baa (PW012489)
Attachments

RESmith

XC LINK
MARLOW
Foxboro, MA U.S.A. 02135-2089
Telephone 508-543-8750
Telex 927-602 or RTT 171090

RECEIVED

AUG 09 '89

RWK

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8/31/89
RAB

FOXBORO

TERMINATION MODULES
IN ALPHABETICAL ORDER BY MODEL NUMBER

MODEL #	PART #	ECEP #
-----	-----	-----
2AX+C	N0307GZ	-
2AX+DR	N0303BX	-
2AX-DT	-	-
2AX+E	N0303AL	
2AX+E	C0151VR	10083C
2AX+J	N0303AM	-
2AX+J	C0151VS	10083C
2AX+K	N0303AN	-
2AX+K	C0151VT	10083C
2AX+LS	C0147AC	-
2AX+MV-PGA	N0310YJ	-
2AX+N	C0153MH	-
2AX+P	N0305RW	-
2AX+P	C0151KZ	10520A
2AX+P	C0151RT	10083A
2AX+P	C0151VC	10083B
2AX+P-AGA, PGA, BGA & YGA	N0307UF	-
2AX+P+LGA	C0159TB	13049N
2AX+P-GGD & FGB	N0308VK	-
2AX+R	N0303AP	-
2AX+R, 2AX+S	C0151VU	10083B
2AX+S	N0303AP	-
2AX+RBF	C0154JE	-
2AX+RS	C0147AD	-
2AX+SEF	N0310PC	-
2AX+SLW	N0309JQ	-
2AX+T	N0303AS	-
2AX+T	C0151VV	10083C
2AX+VA	-	-
2AX+VC	N0310YC	-
2AX+VD	N0310YD	-
2AX+VE	N0310YE	-
2AX+VF	N0310YF	-
2AX+VE-PGA & YGA	N0310YG	-
2AX+VF-PAG & YGA	N0310YH	-
2AX+VA	BUILT TO MS	-
2AX+VA	C0150JR	9617
2AX+VA, VB	-	8973
2AX+VB	C0150JR	-
2AX+VZ1	"	-
2AX+VZ2	"	-
SAX+VZ3	"	-
2AX-VZ4	"	-

-	C0147AV	8725
-	C0148EE	9124
-	C0148KD	8733B
-	C0148KE	8733C
-	C0148KF	8733A
-	C0151KZ	10520
-	C0159NN	12869
-	C0159WQ	N-90080
2AX+WREA	-	-
N-2AX+DR	-	-
N-2AX+DT	-	-
N-2AX+E	-	-
N-2AX+J	-	-
N-2AX+K	-	-
N-2AX+P	C0152NU	N-10083A
N-2AX+P	C0152NV	N-10083B
N-2AX+P	C0152MW	N-10083C
N-2AX+P	C0152NX	N-10083C
N-2AX+P	C0152NY	N-10083C
N-2AX+P	C0152NZ	N-10083C
N-2AX+P	C0152PB	N-10083D
N-2AX+P	C0152XS	N-90011
N-2AX+R	-	-
N-2AX+S	-	-
N-2AX+T	-	-
N-2AX+VC	C0152UX	N-90008
N-2AX+VD	C0152UY	N-90008
N-2AX+VE	C0152UZ	N-90008
N-2AX+VF	C0152VA	N-90008
N-2AX+VT	C0152VT	N-9533
N-2AX+VZ1	-	-
N-2AX+VZ2	-	-
N-2AX+VZ3	-	-
N-2AX+VZ4	-	-

THIS LIST INCLUDES ALL TERMINATION MODULES INCLUDING
STANDARD , NUCLEAR QUALIFIES AND CUSTOM.

N SIGNIFIES NUCLEAR
ECEP SIGNIFIES CUSTOM
ECEP STARTING WITH AN N SIGNIFIES A CUSTOM NUCLEAR
QUALIFIED.

RAA 7-31-89

Instruction

SI
1-01693
May 1980

CUSTOM TERMINATION MODULES FOR SPEC 200 LOOP TESTING APPLICATIONS (ECEP-10033A,B,C, AND D)

General

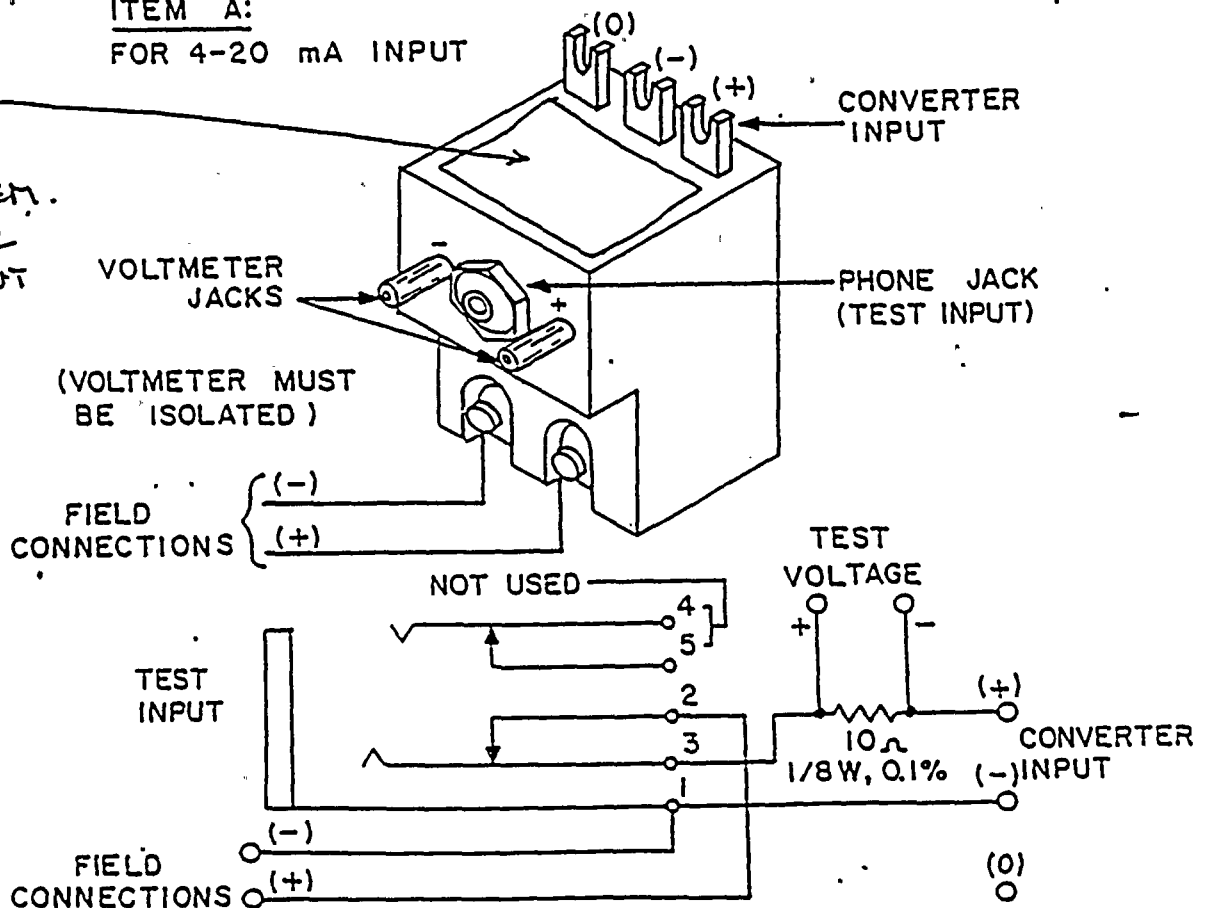
ECEP-10083A (For 4-20 mA input)

This custom termination module functions as follows:

1. Inserting a phone plug into the phone jack (Part NO305ST) on the front of the module disconnects the field current signal.
2. A 4 to 20 mA test signal may now be applied through the phone plug for test purposes. A 40 to 200 mV signal directly proportional to the input current may be measured across the two terminals on either side of the phone jack. See following figure and schematic.

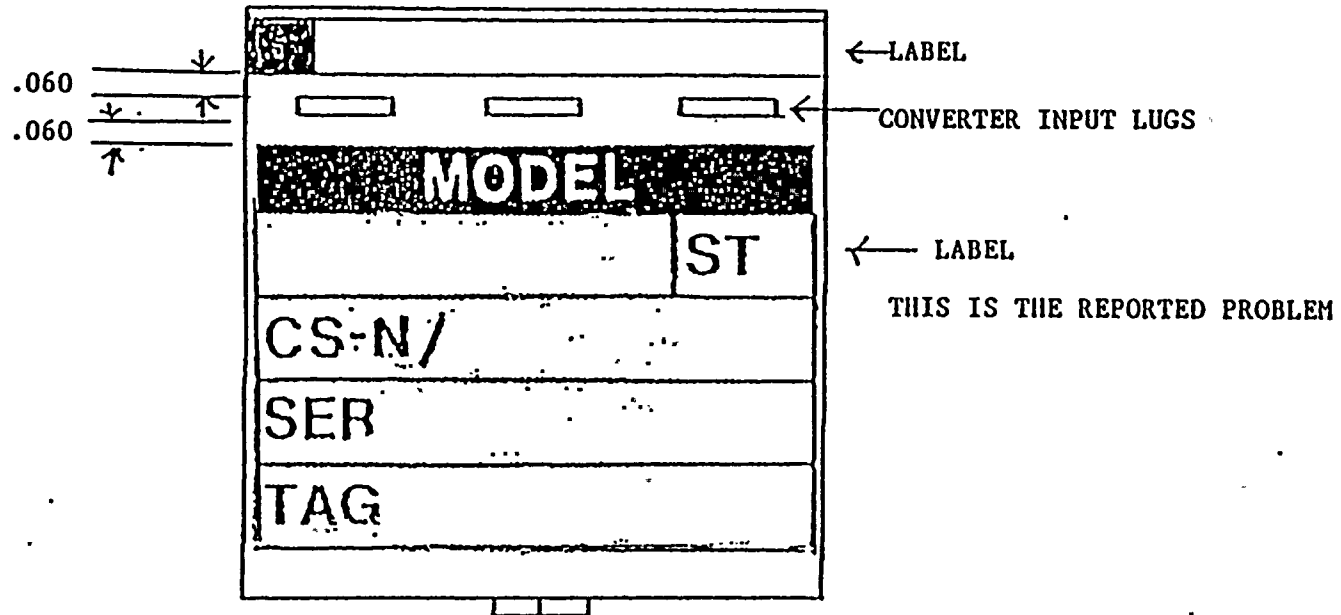
ITEM A: FOR 4-20 mA INPUT

LABEL
THAT
CAUSED
THE PROBLEM.
SEE PAGE 2
OF ATTACHMENT
II.



FOXBORO

ATTACHMENT II, PAGE 2



TERMINATION MODULE LABEL PLACEMENT

RECEIVED-REGION 1
89 NOV -1 P2:54