



Pyr-A-Larm, Inc.

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April 18, 1979

U.S. NUCLEAR REG.
COMMISSION
NMSS MAIL SECTION

U. S. Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Washington, D. C. 20555

Attention: James A. Jones

Reference: Control No. 98015

Dear Jim:

Again I have to apologize for not having the restrictive statements removed from the drawing I submitted to you on the Model DI-4A. This is authorization to include these drawings with the material for Public Records.

In answer to the other items of your letter of March 22, 1979, I have enclosed the description of the assembly as requested in question No. 1.

The results of the prototype testing is not complete, at this time. I will forward that data to you as soon as it is available.

If you have any other questions, please contact me.

Sincerely,

Robert E. Butchko
Chief Radiation Protection Officer

REB:lg

Enclosure

cc: W. Borden, Washington

- 300-020865 375-120870
- 490-025129 515-120881
- 515-020886 557-220900
- 899-024860 305-120875
- 390-320868

7906040005 921109
PDR FOIA
MIS92-414 PDR

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ISSUE			Pyr-A-Larm Inc. Cedar Knolls, N.J. 07927	NO. X X X
REVISION DATE 4/17/79	NO.			PG. 1 OF 1

ASSEMBLY OF SOURCE PLATE INTO DI4A ICSD

Refer to drawing #557-220900. The source plate assembly, part number 515-020886, is mounted to the support plate assembly as shown in the referenced drawings. The source mounting post, part number 375-120870, extends through the support plate assembly. The tabs on the source mounting post extend through the holes on the source plate assembly, part number 515-020886. The tabs of the source mounting posts are mechanically deformed to secure the source plate assembly against the support plate. Following the assembly of the source plates to the support plate, the referenced chamber, part number 515-120881, is installed on the support plate assembly. The referenced chamber is secured to the support plate assembly by cold swaging two tabs on the support plate over two tabs on the referenced chamber and by the installation of a tamper proof screw, part number 899-024860, through the contact arm. This may be seen in the center figure drawing, part number 490-025129. The cold swaging is detailed in section BB of the same drawing. The screen assembly, part number 390-320868, is mounted to the support plate assembly by engaging one tab of the screen under a protruding retaining section on the support plate and the installation of a tamper proof screw, part number 899-024860, into the support plate assembly.

The cover, part number 305-120875, and plate, number 300-020865, are assembled to the support plate assembly. This completes the detector assembly.

The cover and support plates are held together by engaging three protrusions of the cover on three sections of the support plate assembly. By the use of the special tool, the locking mechanism is engaged which prevents the disassembly of the support plate from the cover. This completes the assembly of the detector which is now ready for final testing prior to packaging.