

SAFENIGHT TECHNOLOGY INC.

"the safer smoke detector network"

2121 Electric Road SW
Roanoke, Virginia 24018
(703) 989-5735

June 24, 1996

Ms. Michelle Burgess
Mechanical Engineer
U.S.N.R.C.
#2 Wide Flint North
11555 Rockville Pike T-8f5
Rockville, MD 20852

Re: Response to 5/30 deficiency call

Dear Michelle:

I can finally give you a response:

- ✓ 1) in reference to a possible conflict in housing diameter and board size, we correct 4) a) on page 11 to read "... minimum 4.5 ..." instead of 4.25.
- ✓ 2) in reference to the "H" on page 7.... the only part we are submitting is that for part No. 34-408208A. Part No. 34-408208 is obsolete.
- ✓ 3) in reference to tolerances of buttons and holders. Homewatch assures us that in years of production, these tolerances have worked without problems including in several million previously distributed units in this country during the 1980's. SafeNight in its "Raw Component Testing" p. B9 will add under 8 (1) b) 1) "a) buttons will be inspected for:
 - 1) security inside the holder - all buttons will be firmly secure to the touch
 - 2) damage - all sources will be damage free
 - a) visual checking
 - b) will be wipe test checked as part of the wipe test"

I hope this will complete this phase. Thanks..

Sincerely,



Scott N. Markwell
President

SNM/ct

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FAX TRANSMITTAL SHEET

To: Ms. Michelle Burgess, Mechanical Engineer

Company: Sealed Source Safety Section

Regarding: Call

Number of pages (including this sheet) 2

From: Scott N. Markwell

5/30/96 deb call to SafeNight

- ✓ ① drug 'Source Holder (Amersham)' from HomeWatch
dimension H guess only for 308A
what is H for 308?
why 2 dimensions?

He must look
into it

② PCB & cover

- ✓ ③ see next page.

~~did you intend that to~~

were you aware of this type of a fit?

~~He~~ He said NO & would look into it

our concern: if the source were damaged - would
the AT catch it?

if that is the way they mount it, ^{just so they} they acknowledge
they are aware and the drawings are correct.

A

Amerisham
source holder
into Homelux
source holder

4.75
- .50

4.25 5.25

0.351969
8.94 ± 0.1

8.84 → 9.04 mm

0.348031

0.355906 in

Am sheet strip

0.350 ± 0.003

0.347

0.353 in

0.355906

0.347

0.00806 gap

0.353

0.348

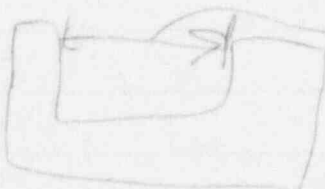
0.005 overlap

OK

could accept

? would this fit in?

NED



0.251575

6.39 ± 0.1

6.29 →

6.49 mm

0.247638

0.25512 in

6.38 → 0.251181

6.40

0.250 ± 0.005

0.245

0.255

0.25512

0.245

0.01012 gap

OK

0.2580

0.247638

0.0074 overlap

0.25500

0.25118

0.00382

still above
the 0.0014
at 0.01
tolerance

Def: 0.0014 press fit
in this chamber
range
from DAB book

3.40
- 1.60
1.80 mm