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THERM-BRUSH TEST REPORT **- 2,000,000 Cycle-Life Test -**

INITIATED BY:

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SCOVILL Security Products Division
Research and Development Division
Product: Therm Brush (nylon weatherseal brush)

PRODUCT:

To determine if the nylon Therm-Brush will stand up to the 2,000,000 cycle life of Grade 1 door closer test (now 1,500,000 cycles) ANSI 156.4,1980. This is a cycle test only.

TEST TO BE PERFORMED:

Visual inspection each 100,000 cycles to see if the product is retaining its original shape and design.

FUNCTIONAL DATA:

On March 9, 1982 a Therm-Brush kit was installed in the Test Lab. It was installed on Bay 40 which is a full size door (3' – 0" x 7' – 0"). It was installed per template supplied by the vendor in the installation kit. The door is powered by a Deltron Rotary Actuator and uses air as the driving force.

SUMMARY:

On August 12, 1982, this unit reached 2,000,000 cycles and was performing satisfactorily. Please note at 31,640 cycles there was a slight bending of the brush due to an incorrect angle of the brush (per instruction template). During the length of the test this did not worsen. We cycled the unit at a rate of 200,000 cycles per month.

DATE:

7 Dec. 82