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August 10, 2007

Mark Brannick
SMD Research, Inc.
6601 Lyons Road, # F-4
Coconut Creek, FL 33073

RESEARCH REPORT: RR-5562
EFFECTIVE DATE: 09/01/07
EXPIRATION DATE: 09/01/08
Telephone: 561-883-3529

GENERAL APPROVAL - Renewal - "Safe-T-Switch" low voltage condensate overflow shut-off switch, models SS1, SS2, SS3, and **"Safe-T-Probe"** low voltage condensate overflow shut-off switch, models SP1 & SP1P manufactured by SMD Research, Incorporation.

DETAILS

The "Safe-T-Switch" models are Class 2 waterproof electromagnetic sensor/switches with PVC fittings or metal clips. These models can be installed inline in primary condensate drains, plugged on secondary drain pan outlets of the primary equipment supplied pan, or clipped in secondary (safety) drain pans. These two-wire overflow switches are listed by Underwriters Laboratories, Inc., under File No. E209344 and conformed to UL 508.

The "Safe-T-Probe" Models are Class 2 electronic plenum rated sensor/switches with CPVC fittings and no moving parts. These models can be installed inline in primary condensate drains, plugged on secondary drain pan outlets of the primary equipment supplied pan, or clipped in secondary (safety) drain pans. These two-wire overflow switches are listed by Underwriters Laboratories, Inc., under File No. E253669 and conformed to UL 508 and UL 2043.

All of the above overflow sensor/switches are designed to minimized water damage by switching off the equipment when the drainage system is overflowed. These products may be installed in commercial and residential buildings where the Los Angeles Building Code permits installation of PVC or CPVC, and where combustible materials are allowed.

The approval is subject to the following conditions:

1. Installations of these products may eliminate the secondary drain requirements.
2. These products may be installed in air plenum and accessible locations and shall not be subjected to prolonged exposure to sunlight.
3. These products shall be marked as follows:
 - A. For the "Safe-T-Switch" models:
 - a. On the package: the manufacturer's trade name "Safe-T Switch".

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- b. On the product, both tube and fittings: the trade name "Safe-T-Switch" or the trademark and nominal size with markings as required by ASTM F-409.
- B. For the "Safe-T-Probe" models:
 - a. On the package: the manufacturer's trade name "Safe-T-Probe".
 - b. On the product, both tube and fittings: the trade name "Safe-T-Switch" or the trademark and nominal size with markings as required by ASTM F-409.
- 4. The installation shall be per manufacturer's instructions, Los Angeles Plumbing Code, 2002 Edition, and Los Angeles Mechanical Code, 2002 Edition.
- 5. These products are approved for HVAC systems only.

DISCUSSION

Current production samples were tested and examined by the Mechanical Testing Laboratory. The material and construction are equivalent to that prescribed by the Los Angeles Municipal Code in quality, strength, effectiveness, durability and safety.

For this General Approval to be valid on any individual construction project in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met in the case of each construction project under consideration.

This approval is granted under Sections 95.105 and 95.310 of Los Angeles Mechanical Code, 2002 Edition, and Sections 94.301, 94.801 and 94.807 of Los Angeles Plumbing Code, 2002 Edition.

Approved by:



Thomas Liu, Director
Mechanical Testing Laboratory
Engineering Bureau

Prepared by: Jason Tran
Mechanical Testing Laboratory