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**AUTHORIZATION TO MARK**

This authorizes the application of the Certification Marks shown below to the models described in the Products(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to the multiple listee model(s) identified on the correlation page of the Listing Report.

**Applicant:** Heatizon  
4137 South 500 West  
Murray, UT 84123 USA

**Contact:** Name: Mr. Russell Childs Phone: 801.293.1232  
**Manufacturer:** Same as Applicant

**Party Authorized To Apply Mark:** Same as Manufacturer

**Report Issuing Office:** Beaverton, Oregon

**Report No.:** J97018160-001

**Product Covered:** Radiant Heating and Snow Melting Systems Models Cable Heater E101 (Tuff-Cable) and Screen Heater E102 (Z-Mesh).

**Description:** The heating and snow melting systems are low voltage (<65 VAC). It is intended to be embedded in concrete, on concrete, within subfloors, and under any type of floor covering installed in accordance with the applicable articles 424 and 426 of the National Electric Code.

The systems consist of a solid state control board, which monitors heating element current, and transformer. Protection is provided for overcurrent, undercurrent, high transformer temperature, arcing, and shorting of the heating element. The system utilized 2 AWG THHN copper wire from the transformer to the heating element E101, which is 10 AWG THHN copper wire embedded in the concrete, 2 inches from the surface, spread 6 inches apart. For additional information and proper parts list, see installation manual in the illustration instruction of this report.

The systems described above is the same for the screen heating element (E102). The screen heating element is installed on the concrete, on wood subfloor, under any type of floor covering too. The screen element is bronze mesh 12 inch side and can be spaced 2 to 12 inch apart.

**Standard(s):** Electric Radiant Heating Panels and Heating Panel Sets (UL 1693, 1st Ed. 05/18/95)

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**Authorized by:** Michelle Hake for **Date:** Feb. 1, 2006  
**William T. Starr, Certification Manager**

**Control Number:** 9700682

This document supersedes all previous Authorizations to Mark for the noted Report number.

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