

February 12, 2013

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Brand Manager
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DENLAR Fire Protection

Re: D1000 & NFPA 101 – Official Product Compliance Announcement

To Whom It May Concern:

It is my pleasure to officially announce a functional design change to The DENLAR D1000, bringing it into direct compliance with the requirements of NFPA 101, Section **18.3.2.5.3**. This section includes specific commentary that addresses the use and protection of residential-grade cooking appliances within mixed-use commercial spaces. With this functional redesign, DENLAR will introduce a standardized option titled “NFPA101” that will package the following components together:

- Upgraded Fans - across all calibrations
- Manual Pull Kit (MPK) - a standardized option
- The CLOCK BOX System - a remote lockout timer for residential appliances

When this option is specified with The D1000, the additional functionality will denote **FULL NFPA 101 Compliance**, right out of the box.

The D1000-F and D1000-R calibrations will be available for order on March 1, 2013 with an initial three week lead-time that will decrease as we build up stock. The D1000-I_-DF and D1000-I_-WF calibrations will be available for order on March 5, 2013 with similar production timelines. Documentation has been submitted to ETL and we expect the process to be completed well within this timeline. Please contact a DENLAR Distributor for more information on the “NFPA101” compliant calibration of The D1000.

The new requirements of the Life Safety Code, and where our system fulfills them are detailed below:

Hood & Fire Suppression System Requirements: NFPA 101, Section 18.3.2.5.3 (2012 Amendment)

- The cooktop or range is equipped with a range hood of a width at least equal to the cooking surface, with grease baffles or other grease collecting and clean out capability. [A:] The D1000 is available in standard widths and features grease removal capabilities similar to a Type 1 commercial grease hood.
- The hood systems have a minimum airflow of 500 cfm (14,000 L/min). [A:] All calibrations of The D1000 feature fans *listed* in excess of 500 cfm. Include the standard option “NFPA101” when specifying The D1000 to ensure that an upgraded fan is provided with the system. Fans provided with the “NFPA101” option will deliver airflow *at the hood* in excess of 500 cfm across all calibrations and will allow for extended duct run lengths.

- The hood systems that are not ducted to the exterior additionally have a charcoal filter to remove smoke and odor. [A:] Recirculating calibrations of The D1000 feature replaceable charcoal filters that can be accessed by removing the front air discharge grill.
- The cooktop or range shall comply with all of the following (a) The cooktop or range is protected with a fire suppression system listed in accordance with UL 300, *Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, or is tested and meets all requirements of UL 300A, *Extinguishing Systems for Residential Range Top Cooking Surfaces*, in accordance with the applicable testing document's scope. [A:] All calibrations of The D1000 are tested and listed in accordance with the requirements and standards of UL300A by ETL. ETL/ATM is available at www.denlarhoods.com.
- A manual release of the extinguishing system shall be required and provided in accordance with NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, Section 10.5. [A:] The D1000 offer a commercial style, hard-wired mechanical pull station (MPK) as an available option. Include the standard option "NFPA101" when specifying The D1000 to ensure that a Manual Pull Station Kit is provided with the system.
- An interlock shall be provided to turn off all sources of fuel and electrical power to the cooktop or range when the suppression system is activated. [A:] The D1000 offers commercial style, hard-wired range element disconnect options for gas, electric and dual element installations.
- A switch meeting all of the following is provided: 1. A locked switch, or switch located in a restricted location, is provided within the cooking facility that deactivates the cooktop or range. 2. The switch is used to deactivate the cooktop or range whenever the kitchen is not under staff supervision. 3. The switch is on a timer, not exceeding a 120- minute capacity; that automatically deactivates the cooktop or range, independent of staff action. [A:] Include the standard option "NFPA101" when specifying The D1000 to ensure that The CLOCK BOX Remote Lockout/Timer is provided with the system. The CLOCK BOX by DENLAR is a hardwire connected digital monitoring box. The unit features a covered panel with turnkey, lock out capabilities and will control master power to The D1000. The D1000 will not receive power until it is energized at The CLOCK BOX. When this is done a 120 minute counter starts, at the end of 120 minutes the system will power down and require manual reset at the box."
- (10) Procedures for the use, inspection, testing and maintenance of the cooking equipment are in accordance with Chapter 11 of NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, and the manufacturer's instructions and are followed. [A:] The DENLAR D1000 can be easily maintained according to these guidelines. The manufacturer provides installation and maintenance instructions available online at www.denlarhoods.com.

Warmest Regards,

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