



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 14-01-E Vol.2

**Manufacturer:** DORMA, Dorma Drive, Reamstown, PA 17567

**Trade Name(s):** DORMA

**Product:** Combination door closer and holder

**Pertinent Code Section(s):** Subchapters 6 and 17, Reference Standard RS 17

**Prescribed Test(s):** UL 288

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File R7845 Project 06NK13318, issued January 31, 2007. UL letter dated January 31, 2007

**Description:** The 1800 Series is an electromagnetically controlled frame mounted hold/open door closer for use on fire and/or smoke barrier doors. This device is designed to contain and cut the spread of fire and still allow unimpeded, easy access throughout a building. This unit is compatible with new or existing fire/smoke control systems.

An integral feature of the 1800 Series is its holder/release device. It acts as a hold open unit under normal conditions. However, if an alarm state or loss of electric current occurs, it permits closing of the door from an angle of opening.

These closers are particularly suitable for use in hotels, hospitals, nursing homes, schools, and facilities for the aged, because they allow for easy accessibility on a day-to-day basis while quickly curtailing the spread of smoke and/or fire in an emergency. In the case of an alarm state signaled by the central control system, main power failure, or a short circuit, current to the electromagnetic hold open device is interrupted, thus allowing the door closing mechanism to take over and shut the door. Once the door is shut, the door can be manually operated.

In general, these devices are intended for use on swinging type fire doors. It is generally employed in conjunction with switching contacts from a smoke detector or alarm panel such that the operation of the alarm, through the contacts releases the normally energized holding solenoid. Upon interruption of the electrical signal, the door closer assembly brings the door to the closed position.

The basic difference between the 1800 and 1800 SD is that the 1800 SD incorporates a smoke detector. The 1800 sub-assembly and 1800 SD sub assembly always remains the same, having the same components parts. The model variations are achieved by changing the closer body and arm that connects the body to the track channel or the door itself.

Catalogue Description	Model No.
Series 1800 Hold Open Jamb Smoke Detector	1816 HJ SD
Series 1800 Free Swing Jamb Smoke Detector	1816 FSJ SD
Series 1800 Hold Open Jamb	1816 HJ
Series 1800 Free Swing Jamb	1816 FSJ
Series 1800 Hold Open Track Smoke Detector	1856 HT SD
Series 1800 Free Swing Track Smoke Detector	1856 FST SD
Series 1800 Hold Open Track	1856 HT
Series 1800 Free Swing Track	1856 FST

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated June 18, 2007, F.P. Index #061166B.

**Recommendation:** The above units are accepted on condition that:

1. All uses, configurations, arrangements and functions, application and installations shall comply with all applicable sections of New York City Building Code, specifically Subchapters 6 and 17. Further, installation shall be in accordance with manufacturer's recommendations, NFPA 72 and UL standard.
1. When installed in buildings having a building fire alarm system, the above unit's smoke detectors shall be connected to such building fire alarm system.
2. UL listing requirements and limitations shall be complied with.
3. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance July 16, 2007  
 Examined By Donald [Signature]