



Member of the FM Global Group

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Certified Mail
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Customer ID: 100000634

Subject: Notification of Compliance Concerning Re-Examination of FM Approved Fire Pump Controllers to FM Approvals Standard Class 1321/1323 "Controllers for Electric Motor Driven and Diesel Engine Driven Fire Pumps" dated November 2007.

Dear Mr. Anderson,

This letter is to inform you that July 1, 2010 is the compliance date for all FM Approved fire pump controllers to meet all requirements of the November 2007 edition of FM Approval Standard Class 1321/1323 "Controllers for Electric Motor Driven and Diesel Engine Driven Fire Pumps." Any manufacturer of FM Approved fire pump controllers not meeting the requirements of this Standard and the directives below by this date will be removed from the FM Approval Guide.

1. Based upon the technical information provided by the fire pump controller manufacturers, it was determined that the supervision of all motor starting contactor coils in an electric motor driven fire pump controller (Section 4.2.9.1.i in FM Standard Class 1321/1323) was not feasible due to the inherent design of the motor contactors. Therefore, in order to meet the intent of FM Standard Class 1321/1323, FM Approvals now requires FM Approved controllers for electric motor driven fire pumps to have an integral solenoid valve and test drain on the pressure sensing line to provide both manually initiated hydraulic pressure loss starting and weekly/periodic automatic pressure loss starting for a duration of no less than 10 minutes in order to test the complete controller and pump system. This feature shall meet all requirements as already stipulated in FM Standard Class 1321/1323 including a pressure recorder (See Sections 4.4.8.3, 4.4.5.2 and 3.2.10.11). In addition, any FM Approved fire pump controller manufacturer choosing to install the solenoid valve and test drain assembly inside the controller enclosure cabinet for either the low voltage electric fire pump controller or diesel engine fire pump controller must provide a water spray shield around the solenoid valve and test drain assembly to prevent any incidental water contact with the controller electronics.
2. To be in compliance with Arrangement I "Combination Fire Pump Controller and Power Transfer Switch" per NFPA 20 - 2010 Edition (Chapter 10, Section 10.8.2.1 and Paragraph 10.8.2.1.3), all FM Approved electric motor driven fire pump controllers combined with an automatic power transfer switch shall have an isolation switch and circuit breaker on the emergency/alternate power side for all power supply configurations, regardless of generator size. The emergency/alternate side isolation switch and circuit breaker shall be part of the automatic power transfer switch assembly, and meet all applicable requirements in FM Approval Standard Class 1321/1323 "Controllers for Electric Motor Driven and Diesel Engine Driven Fire Pumps" dated November 2007.

Sincerely,

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Copy: HIC Class 1321/1323

