

**MCKINNEY FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE**

OPERATIONAL REQUIREMENTS FOR INSTALLATION AND MONITORING

These guidelines are to be followed when a building, or facility, within the City of McKinney, is provided with an approved, automatic fire sprinkler system and/or fire alarm system required to be monitored by a Central Station (CSM).

All fire sprinkler system and fire alarms for the purposes of this guideline and any other guidelines or requirements of the Fire Department shall conform to the 2012 International Fire Code, as adopted and amended by City of McKinney Ordinance No. 2013-07-062.

FIRE ALARM/SPRINKLER SYSTEM MONITORING OPERATIONAL GUIDELINES

1. A single weatherproof exterior audible/visible notification device shall be provided on the exterior of the building and shall be located above the Fire Department Connection (FDC). This device shall be a minimum of 75 candela.
2. Conventional, or zoned, fire alarm control panels and initiating devices are not permitted.
3. Exception. Conventional or zone fire alarm control panels shall be permitted if they function in the capacity of a slave panel in a data loop, with each device on a separate zone provided with monitor modules monitored by the main addressable fire alarm control panel with all devices addressed with device designation and location available at the main fire alarm control panel. Conventional or zone fire alarm control panels, utilized in the capacity above, shall also be capable of performing the operational requirements, as listed below, for the exterior horn/strobe, if monitoring a sprinkler system.
4. An approved, audible/visual device shall be connected to every automatic sprinkler system.
5. Full occupant notification shall be provided as required by IFC Section 907.5.3 (Amended). Reference Information Notice 2013-01 for additional.
6. All valves controlling the water supply for automatic sprinkler systems, including backflow preventors, and water-flow switches on all sprinkler systems and standpipe systems, with the exception of fire department hose connections, shall be electrically supervised.
7. Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved Central Station listed by Underwriters Laboratories, or when approved by the code official, at a constantly attended location.
8. The time delay feature on the waterflow switch switches must be set to a delay of not less than 60 seconds and no more than 90 seconds.
9. Waterflow alarms shall be programmed non-silenceable.
10. The exterior horn/strobe shall operate on waterflow alarm only.
11. The exterior notification device shall be non-silenceable.
12. The exterior notification device shall be wired from the fire alarm control panel as a dedicated latching circuit. The notification device is not permitted to be wired from the waterflow switch, powered from 120 VAC, operated by a control relay or provided on an unsupervised circuit.
13. The exterior notification device shall be supervised.

ADDRESSABILITY REQUIREMENTS

14. All alarms are required to be transmitted to the U.L. Listed Central Station monitoring company with the device(s) designation and location, or addressable device identification. (i.e., a waterflow device must be listed as waterflow (multiple sprinkler risers shall be differentiated), smoke detector must be listed as a smoke detector third floor room 116, pull station as pull station main lobby) Alarms shall not be

FIRE ALARM SYSTEMS

OPERATIONAL REQUIREMENTS FOR INSTALLATION AND MONITORING

permitted to be transmitted as a “General Alarm” or “Zone” condition. This information must be in turn, transmitted to the McKinney 911 Dispatch Center, with correct designation. This is commonly referred to as POINT ID or CONTACT ID.

The above operational and monitoring requirements shall not be considered as absolutes. Additional monitored signals and/or operations may be necessary based upon the hazard, configuration, occupancy or other conditions or configurations as deemed necessary by the Fire Code or the McKinney Fire Marshal’s Office.

This guide does not replace, nor supersede any codes and/or ordinances adopted by the City of McKinney, or determinations and positions of the Fire Chief or Fire Marshal.