

NFPA, ICC & The Joint Commission Electronically Monitored Fire Extinguisher Monthly Inspection Requirements

NFPA 10 2025

Chapter 3 Definitions

3.3.10 Electronic Monitoring

Either a local alarm device to indicate when an extinguisher is removed from its designated location or a method of electronic communication (data transmission) between an In-place fire extinguisher and an electronic monitoring device/system

Chapter 7 Inspection, Maintenance, and Recharging of Portable Fire Extinguishers

7.2.1.2 Fire extinguishers in class d extinguishing agents shall be inspected either manually or by means of electronic monitoring device system at intervals not exceeding 30 days

7.2.2* **Procedures.** Periodic inspection or electronic monitoring of fire extinguishers shall include a check of at least the following items:

- (1) Location in designated place
- (2) Visibility of the extinguisher or means of indicating the extinguisher location
- (3) Access to the extinguisher
- (4) Pressure gauge reading or indicator in the operable range or position
- (5) Fullness determined by weighing or hefting for self-expelling type extinguishers, cartridge-operated extinguishers, and pump tanks
- (6) Condition of tires, wheels, carriage, hose, and nozzle for wheeled extinguishers
- (7) Indicator for non-rechargeable extinguishers using push to test pressure indicators

7.2.2.3

In addition to 7.2.2, fire extinguisher shall be visually inspected in accordance with 7.2.2.4 if they're located where any of the following conditions exists

- (1) High frequency of fires in the past
- (2) Severe hazards
- (3) Locations that make fire extinguishers susceptible to mechanical injury or physical damage
- (4) Exposure to abnormal temperatures or corrosive atmosphere

7.2.4 Inspection Record Keeping

7.2.4.1 Manual Inspection Records

7.2.4.1.1 Where manual inspections are conducted. Records for manual inspection shall be kept on tag or label attached to the fire extinguisher on an inspection checklist maintained on file or by electronic method.

7.2.4.2 Electronic Inspection Records

7.2.4.2.1 Where electronically monitored systems are employed for inspections, records shall be kept for fire extinguishers found to require corrective action

7.2.4.2.2 Records for electronic monitoring shall be kept to demonstrate that at least 12 monthly inspections have been performed.

7.2.4.2.3 For electronically monitor fire extinguishers where the extinguisher causes a signal at a control unit when a deficiency in any of the conditions listed in 7.2.2 occurs, record keeping shall prove provided in the form of electronic event log at the panel.

International Code Council – IFC 2018

906.2 General requirements. Fire extinguishers shall be selected, installed and maintained in accordance with this section and NFPA 10.

2.30-day inspections shall not be required and maintenance shall be permitted to be once every three years for dry-chemical or halogenated agent portable fire extinguishers that are supervised by a listed and approved electronic monitoring device, provided:

2.1 Electronic monitoring shall confirm that extinguishers are properly positioned, properly charged, and unobstructed, and

2.2 Loss of power or circuit continuity to the electronic monitoring device shall initiate a trouble signal, and

2.3 The extinguishers shall be installed inside of a building or cabinet in a non-corrosive environment, and

2.4 Electronic monitoring devices and supervisory circuits shall be tested every three-years when extinguisher maintenance is performed.

2.5 A written log of required hydrostatic test dates for extinguishers shall be maintained by the owner to ensure that hydrostatic tests are conducted at the frequency required by NFPA 10.

The Joint Commission

The Joint Commission references the following National Fire Protection Agency (NFPA) editions in our standards and are used during surveys:

- NFPA 99 (2012) – as of July 5, 2016
- NFPA 101 (2012) – as of July 5, 2016

Last reviewed by Standards Interpretation: July 12, 2023

Keltron is a U.S.-based manufacturer of automated inspection and reporting solutions that eliminate mandatory monthly physical inspections for fire extinguishers and emergency lighting. This wireless system improves safety, streamlines operations, and aids with maintaining compliance. Keltron's solution meets the requirements of NFPA, IFC, and Joint Commission. Keltron also manufactures unified event management systems for fire and security alarms as well as electronic and pressure gauges. Keltron is proudly ISO 9001:2015 certified.



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