

Ministerial Ordinance (Draft) that Amends a Portion of the Ministerial Ordinance that Stipulates Technical Standards for Detectors and Manual Call Points

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Fire Prevention Division, Fire and Disaster Management Agency

1 Reason for Revision

As for automatic fire alarm equipment, standards have been established only for those utilizing a wire system that conveys information in the event of a fire.

However, due to development of wireless information communication technologies and recent revisions of relevant laws and regulations, the scope of application of the Ministerial Ordinance expanded to include a smaller group-home and Karaoke box, increasing the need to establish standards for automatic fire alarm equipment utilizing a wireless system.

This Ministerial Ordinance shall, therefore, amend the Ministerial Ordinances cited in section 2 to set standards for performance, etc. of wireless detectors, etc. of automatic fire alarm equipment to be installed in a building that requires fire protection.

2 Ministerial Ordinance to Be Revised

- (1) Ministerial Ordinance that Stipulates Technical Standards for Detectors and Manual Call Points (Ministerial Ordinance No.17, Ministry of Home Affairs, 1981)
- (2) Ministerial Ordinance that Stipulates Standards for Transmitters (Ministerial Ordinance No.18, Ministry of Home Affairs, 1981)
- (3) Ministerial Ordinance that Stipulates Standards for Control and Indicating Equipment (Ministerial Ordinance No.19, Ministry of Home Affairs, 1981)

3 Brief Overview of Revision

- (1) Partial Amendment of the Ministerial Ordinance that Stipulates Standards for Detectors and Manual Call Points

Standards for performance, etc. of wireless detectors and wireless manual call points shall be set as follows.

- i) Wireless detectors without a terminal (including electric wire used in place of a terminal) must not be subject to a dropping test.
- ii) Wireless detectors must send signals that can be distinguished from that of other devices.
- iii) Wireless detectors that have the multiple station detector with alarm function must not require a device that automatically sends signals that indicate transmission conditions of wireless equipment to a control and indicating equipment every 168 hours.
- iv) The structure and function of wireless manual call points must be set as follows.
 - I Standards for wireless detectors must be applied.
 - II The structure of an aerial for wireless manual call points must be designed in a way so that the aerial will not be exposed.
- v) Requirements for display of wireless manual call points must be added.

(2) Partial Amendment of the Ministerial Ordinance that Stipulates Standards for Transmitters

Standards for performance, etc. of wireless transmitters shall be set as follows.

- i) Other wireless transmitters must be added to automatically send signals that indicate transmission conditions of wireless equipment every 168 hours.
- ii) Wireless transmitters with the function to send radio waves must send signals that can be distinguished from that of other devices.
- iii) Wireless transmitters with the function to receive radio waves must have the function to receive signals from wireless detectors, wireless manual call points, or other wireless transmitters (hereinafter referred to as “wireless detector, etc.”) and automatically send received signals to a control and indicating equipment.
- iv) If a device that can manually check transmission conditions of wireless equipment of a wireless detector, etc. is installed into a wireless transmitter, the wireless transmitter must never fail to send signals upon reception of fire signals, etc. from other caution zones during the operation of said device.

(3) Partial Amendment of the Ministerial Ordinance that Stipulates Standards for Control and Indicating Equipment.

Standards for performance, etc. of wireless control and indicating equipment shall be set as follows.

- i) Standards for P type control and indicating equipment must be applied to P type control and indicating equipment. Standards for R type control and indicating equipment must be applied to R type control and indicating equipment. Standards for GP type control and indicating equipment must be applied to GP type control and indicating equipment. Standards for GR type control and indicating equipment must be applied to GR type control and indicating equipment.
- ii) Wireless control and indicating equipment that send radio waves must send signals that can be distinguished from that of other devices.
- iii) Area alarm devices that use wireless manual call points and radio transmission must be added to the sources of problems in the provision that stipulates that alarm devices and their indicating lights must operate automatically when a problem is detected.
- iv) If a device that can manually check transmission conditions of wireless equipment of area alarm devices that use a wireless detector, etc. or radio transmission is installed into a wireless control and indicating equipment, the wireless control and indicating equipment must never fail to indicate a fire upon reception of fire signals, fire display signals or fire information signals from other caution zones during the operation of said device.
- v) Wireless transmitters and wireless manual call points must be added to the list of devices that are required to carry a model number.

(4) In addition, other necessary rules shall be introduced.

4 Enforcement Date

The Ministerial Ordinance will be enforced on the day of its publication.