NATIONAL FIRE PROTECTION ASSOCIATION
The leading information and knowledge resource on fire, electrical and related hazards

M E M O R A N D U M

TO: Technical Committee on Single- and Multiple-Station Alarms and Household Signaling Systems

FROM: Jenny Depew, *Committee Administrator*

DATE: November 10, 2022

SUBJECT: NFPA 72® First Draft TC FINAL Ballot Results (A2024)

According to the final ballot results, all ballot items received the necessary affirmative votes to pass ballot.

21 **Members Eligible to Vote**
1 Members Not Returned *(Okun)*

The attached report shows the number of affirmative, negative, and abstaining votes as well as the explanation of the vote for **each** revision**.**

To pass ballot, **each** revision requires: (1) a simple majority of those eligible to vote and (2) an affirmative vote of $^{2}/_{3}$ of ballots returned. See Sections 3.3.4.3.(c) and 4.3.10.1 of the ***Regulations Governing the Development of NFPA Standards***.

First Revision No. 5233-NFPA 72-2022 [Detail]

Add new

29.14.1.2(5) **If listed for use in an unconditioned area**

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 09:50:32 EDT 2022

Committee Statement

Committee Statement: The first revision is consistent with a change to the 2024 edition of the International Fire Code/International Building Code that will allow carbon monoxide alarms to be installed inside rooms or spaces within commercial buildings that are remote from dwelling units and sleeping units.

Response Message: FR-5233-NFPA 72-2022

Public Input No. 192-NFPA 72-2022 [Section No. 29.14.1.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
0 Affirmative with Comments
1 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

Negative with Comment

Miller, Thomas H.

This exceeds the intent of this Chapter.

First Revision No. 5006-NFPA 72-2022 [New Section after 3.3.77.9]

3.3.130 Fuel-Burning Equipment.

Any device that burns solid, liquid, or gaseous fuel or a combination thereof. (SIG-HOU)

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 09:32:25 EDT 2022

Committee Statement

Committee Statement: The technical committee created this revision in order to take into account all types of devices that can burn the fuels listed.
Response Message: FR-5006-NFPA 72-2022

Public Input No. 209-NFPA 72-2022 [New Section after 3.3.77.9]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5011-NFPA 72-2022 [Section No. 29.1.2]

29.1.2*

~~Alarms~~ Equipment covered by this chapter shall be installed in all occupancies where required by other governing laws, codes, or standards.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 10:12:17 EDT 2022

Committee Statement

Committee Statement: The first revision replaces the term "alarms" with "equipment" to encompass all devices and warning equipment covered by Chapter 29.
Response Message: FR-5011-NFPA 72-2022

Public Input No. 452-NFPA 72-2022 [Section No. 29.1.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5225-NFPA 72-2022 [Section No. 29.2.2]

29.2.2

Carbon monoxide warning equipment ~~for residential occupancies~~ shall provide a reliable means to notify the occupants of the presence of carbon monoxide levels that constitute a potential life safety risk and the need for action as a consequence of those levels.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:51:43 EDT 2022

Committee Statement

Committee Statement: The first revision is consistent with a change to the 2024 edition of the International Fire Code/International Building Code that will allow carbon monoxide alarms to be installed inside rooms or spaces within commercial buildings that are remote from dwelling units and sleeping units.

Response Message: FR-5225-NFPA 72-2022

Public Input No. 422-NFPA 72-2022 [Section No. 29.2.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
0 Affirmative with Comments
1 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

Negative with Comment

Miller, Thomas H.

This exceeds the intent of this Chapter.

First Revision No. 5244-NFPA 72-2022 [Section No. 29.3.3]

29.3.3*

The installation of smoke, heat, fire, or carbon monoxide alarms or systems, or combinations of these, shall comply with the requirements of this chapter ~~and shall satisfy the minimum requirements for number and location of alarms or detectors by one of the following arrangements:~~ .

~~The required minimum number and location of detection devices shall be satisfied (independently) through the installation of alarms. The installation of additional alarms shall be permitted. The installation of additional system-based detectors, including partial or complete duplication of the alarms satisfying the required minimum, shall be permitted.~~

~~The required minimum number and location of detection devices shall be satisfied (independently) through the installation of system detectors. The installation of additional detectors shall be permitted. The installation of additional alarms, including partial or complete duplication of the detectors satisfying the required minimum, shall be permitted.~~

29.3.3.1

The requirements of 29.7.1 and 29.8.1 shall be met in their entirety with the installations of smoke alarms or smoke detectors and carbon monoxide alarms or carbon monoxide detectors.

29.3.3.2

The installation of additional smoke, heat, fire, or carbon monoxide alarms or detectors, shall be permitted.

29.3.3.3

The installation of additional smoke, heat, fire, or carbon monoxide alarms or detectors shall comply with the requirements of this chapter.

29.3.3.4

The duplication of devices meeting the requirements of this chapter shall be considered supplementary as defined in 3.3.311 .

29.3.3.5

The installation of supplementary devices shall comply with this chapter.

Supplemental Information

File Name	Description	Approved
Chapter_29_29_3_3_FR_5244.1658330283382_1_.docx	This file contains a marked up and clean version of the action.	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:17:18 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style and adds the word "smoke" in front of the word "alarms" to clarify the type of alarm being discussed. The term "smoke" encompasses both single and multiple stations. The addition of the term "detection devices" adds no clarity to the text. The term "detector" already indicates the device is connected to a system.

Response Message: FR-5244-NFPA 72-2022

Public Input No. 4-NFPA 72-2021 [Section No. 29.3.3]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5029-NFPA 72-2022 [Section No. 29.3.4]

29.3.4

Supplementary functions, including the extension of an alarm beyond the ~~residential occupancy~~ installed location , shall be permitted ~~and shall~~ if they do not interfere with the performance requirements of this chapter.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 11:40:07 EDT 2022

Committee Statement

Committee Statement: The first revision clarifies the supplementary function requirement and provides MOS compliance. Additionally, the first revision incorporates edits necessitated by the allowance of CO alarms in non-residential occupancies in the I-Codes.

Response Message: FR-5029-NFPA 72-2022

Public Input No. 11-NFPA 72-2021 [Section No. 29.3.4]

Public Input No. 317-NFPA 72-2022 [Section No. 29.3.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
0 Affirmative with Comments
1 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Negative with Comment

Miller, Thomas H.

This exceeds the intent of this Chapter.

First Revision No. 5037-NFPA 72-2022 [Section No. 29.5.1]

29.5.1*

Unless otherwise permitted by 29.5.3, fire warning equipment to be installed in residential occupancies shall produce the ~~audible~~ three-pulse temporal pattern (T3) emergency evacuation signal described in ANSI/ASA S3.41, *Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI)*, whenever the intended response is to evacuate the building.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 13:21:11 EDT 2022

Committee Statement

Committee Statement: The words “three-pulse temporal pattern is added to define what is meant by “emergency evacuation signal”. The term “T3” is added to the requirement because it is widely used and recognized in the industry and this action codifies the term. “Audible” was removed because T3 is an acronym for an emergency audible evacuation signal. This also provides consistency with the use of “T4” elsewhere in the document.

Response Message: FR-5037-NFPA 72-2022

Public Input No. 347-NFPA 72-2022 [Section No. 29.5.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.

Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5038-NFPA 72-2022 [Section No. 29.5.2]

29.5.2

The ~~audible~~ T3 emergency evacuation signal shall be permitted to be used for other devices ~~as long as~~ when the desired response is immediate evacuation.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 13:30:01 EDT 2022

Committee Statement

Committee Statement: "T3" was added based on the action taken in the first revision on 29.5.1. "Audible" was removed because T3 is an acronym for an emergency audible evacuation signal. The annex provides additional information which explains the terminology.

Response Message: FR-5038-NFPA 72-2022

Public Input No. 348-NFPA 72-2022 [Section No. 29.5.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew

McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5039-NFPA 72-2022 [Section No. 29.5.3]

29.5.3

Where mechanically powered single-station heat alarms are used as supplementary devices, unless required by applicable laws, codes, or standards, such devices shall not be required to produce the T3 emergency evacuation signal ~~described in ANSI/ASA S3.41, *Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI)*~~ .

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 13:34:54 EDT 2022

Committee Statement

Committee Statement: "T3" was added based on the action taken in the first revision on 29.5.1.
Response Message: FR-5039-NFPA 72-2022

Public Input No. 349-NFPA 72-2022 [Section No. 29.5.3]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5237-NFPA 72-2022 [Section No. 29.5.4]

29.5.4*

Carbon monoxide warning equipment to be installed in residential occupancies shall produce the T4 signal~~. After~~ , and after the initial 4 minutes of alarm~~,~~ the 5-second "off" time ~~of the alarm signal~~ shall be permitted to be changed to 60 seconds ± 10 percent.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 10:51:32 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style.
Response Message: FR-5237-NFPA 72-2022

Public Input No. 12-NFPA 72-2021 [Section No. 29.5.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5238-NFPA 72-2022 [Section No. 29.5.5]

29.5.5*

Fire warning equipment producing the ~~audible emergency evacuation~~ T3 signal ~~shall be permitted to incorporate~~ incorporating voice notification ~~under~~ shall meet either or both ~~of the following conditions:~~ 29.5.5.1 and 29.5.5.2 .

~~Where the voice message is contained completely within the 1.5-second pause period of the audible emergency evacuation signal~~

~~Where the voice message complies with 29.5.5(2)(a) and 29.5.5(2)(b) as follows:~~

~~The voice message is first preceded by a minimum of eight cycles of the audible emergency evacuation signal.~~

~~The voice message periodically interrupts the signal for no longer than 10 seconds, followed by a minimum of two cycles of the audible emergency evacuation signal between each voice message. The initial eight-cycle period shall not be required to be repeated.~~

29.5.5.1

~~Where the~~ The voice message is shall be contained completely within the 1.5-second pause period of the ~~audible emergency evacuation~~ T3 signal.

29.5.5.2

The voice message shall comply with all of the following:

(1) The voice message is first preceded once by a minimum of eight cycles of the ~~audible emergency evacuation~~ T3 signal.

(2) The voice message periodically interrupts the T3 signal for no longer than 10 seconds, followed by a minimum of two cycles of the ~~audible emergency evacuation~~ T3 signal between each voice message.

(3) The initial eight-cycle period shall not be required to be repeated.

Supplemental Information

File Name	Description	Approved
Chapter_29_29_5_5_FR_5238.docx	Chapter 29 29_5_5 FR 5238	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:01:52 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style. The addition of T3 to the MOS revisions adds clarification and specifies which "emergency evacuation signal" the section is referring to.

Response Message: FR-5238-NFPA 72-2022

Public Input No. 350-NFPA 72-2022 [Section No. 29.5.5]

Public Input No. 13-NFPA 72-2021 [Section No. 29.5.5]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5239-NFPA 72-2022 [Section No. 29.5.6]

29.5.6*

Carbon monoxide warning equipment producing the ~~audible notification~~ T4 signal ~~shall be permitted to incorporate~~ incorporating voice notification ~~under~~ shall meet either or both of ~~the following:~~ 29.5.6.1 and 29.5.6.2 .

~~Where the voice message is contained completely within the 5-second pause period of the audible notification signal~~

~~Where the voice message complies with 29.5.6(2)(a) and 29.5.6(2)(b) as follows:~~

~~The voice message is first preceded by a minimum of 6 cycles of the audible notification signal.~~

~~The voice message periodically interrupts the signal for no longer than 10 seconds, followed by a minimum of two cycles of the audible notification signal between each voice message. The initial 6-cycle period shall not be required to be repeated.~~

29.5.6.1

~~Where the~~ The voice message ~~is~~ shall be contained completely within the 5-second pause period of the ~~audible notification~~ T4 signal.

29.5.6.2

The voice message shall comply with all of the following:

(1) The voice message is first preceded once by a minimum of ~~6~~ six cycles of the ~~audible notification~~ T4 signal.

(2) The voice message periodically interrupts the T4 signal for no longer than 10 seconds, followed by a minimum of two cycles of the ~~audible notification~~ T4 signal between each voice message.

(3) The initial ~~6~~ six -cycle period ~~shall~~ is not ~~be~~ required to be repeated.

Supplemental Information

File Name	Description	Approved
Chapter_29_29_5_6_FR_5239.docx	Chapter 29 29_5_6 FR 5239	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:05:07 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style. The addition of T4 to the MOS revisions adds clarification and specifies which "emergency evacuation signal" the section is referring to.

Response Message: FR-5239-NFPA 72-2022

Public Input No. 14-NFPA 72-2021 [Section No. 29.5.6]

Public Input No. 351-NFPA 72-2022 [Section No. 29.5.6]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5044-NFPA 72-2022 [Section No. 29.5.7]

29.5.7

All audible notification signals ~~installed~~ shall meet the performance requirements of 18.4.4, 18.4.6.1, 18.4.6.2, and 29.5.10.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 13:57:21 EDT 2022

Committee Statement

Committee Statement: This revision clarifies that a signal cannot be installed.
Response Message: FR-5044-NFPA 72-2022

Public Input No. 153-NFPA 72-2022 [Section No. 29.5.7]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.

Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5048-NFPA 72-2022 [Section No. 29.5.8]

29.5.8*

Where visual notification appliances are provided, they shall meet the requirements of Section 18.5.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 14:02:38 EDT 2022

Committee Statement

Committee Statement: Section 18.5 refers to these appliances as “visual notification appliances”.
Response Message: FR-5048-NFPA 72-2022

Public Input No. 154-NFPA 72-2022 [Section No. 29.5.8]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.

Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5208-NFPA 72-2022 [Section No. 29.5.9]

29.5.9*

Since hearing deficits are ~~often~~ not always apparent, the responsibility for advising the appropriate person(s) of the existence of this deficit shall be that of the party with the hearing ~~loss~~ deficit .

A.29.5.9

As requirements around the disclosure of disabilities are defined in various laws, the owner, under the Fair Housing Act or the Americans with Disabilities Act, might have responsibility to provide, install, and make ready for use a device when a request is received.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 16:05:30 EDT 2022

Committee Statement

Committee Statement: The requirement has been editorially revised. The annex material is useful in describing the potential responsibilities of the owner.
Response Message: FR-5208-NFPA 72-2022

Public Input No. 220-NFPA 72-2022 [Section No. 29.5.9]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
1 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Abstention

Olenick, Stephen M.

In order to avoid the perception of a conflict of interest due to my consulting relationship with SafeAwake, LLC, I am abstaining on this proposal.

First Revision No. 5215-NFPA 72-2022 [Section No. 29.5.10.1]

29.5.10.1* Mild to Severe Hearing Loss.

Notification appliances provided for those with mild to severe hearing loss shall comply with the following:

(1) An audible notification appliance producing a low frequency alarm signal shall be installed in the following situations:

(a) Where required by governing laws, codes, or standards for people with hearing loss

(b) Where provided voluntarily for those with hearing loss

(2)* The low frequency alarm signal output shall comply with both of the following:

(a) ~~The~~ A waveform ~~shall have~~ having a fundamental frequency of 520 Hz ± 10 percent~~.~~

(b) ~~The~~ A minimum sound level at the pillow ~~shall be~~ of 75 dBA, or 15 dB above the average ambient sound level, or 5 dB above the maximum sound level having a duration of at least 60 seconds, whichever is greater~~.~~

Supplemental Information

File Name	Description	Approved
Chapter_29_29_5_10_1_FR_5215.docx	Chapter 29 29_5_10_1 FR 5215	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 16:29:36 EDT 2022

Committee Statement

Committee Statement: The revisions clarify the requirement and additionally provide for MoS compliance.
Response Message: FR-5215-NFPA 72-2022

Public Input No. 45-NFPA 72-2021 [Section No. 29.5.10.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
1 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Abstention

Olenick, Stephen M.

In order to avoid the perception of a conflict of interest due to my consulting relationship with SafeAwake, LLC, I am abstaining on this proposal.

First Revision No. 5227-NFPA 72-2022 [Section No. 29.7.1.1]

29.7.1.1*

Where required by other governing laws, codes, or standards for a specific type of occupancy, listed carbon monoxide alarms or carbon monoxide detectors shall be installed as follows:

(1) Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel

(2) On every occupiable level of a dwelling unit, including basements, excluding attics and crawl spaces

~~In all sleeping rooms and guest rooms containing installed fuel-burning appliances~~

(3) On the ceiling or on the wall with the top of the alarm or detector within 12 in. (300 mm) of the ceiling, when installed in the same room as the permanently installed fuel-burning appliances

~~Other locations where required by applicable laws, codes, or standards~~

(4) In accordance with the manufacturer's published instructions

~~**29.7.1.2***~~

~~Each alarm or detector shall be located on the wall, ceiling, or other location as specified in the manufacturer's published instructions that accompany the unit.~~

~~**A.29.7.1.2**~~

~~The location for effective performance is not generally dependent on mounting height. The density of carbon monoxide is similar to that of air at room temperature, and carbon monoxide generally mixes readily with air.~~

Supplemental Information

File Name	Description	Approved
Chapter_29_29_7_1_1_FR_5227.1658321991447_4_.1658505828829.docx		

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 08:56:47 EDT 2022

Committee Statement

Committee Statement: The first revision is consistent with a change to the 2024 edition of the International Fire Code/International Building Code that will allow carbon monoxide alarms to be installed inside rooms or spaces within commercial buildings that are remote from dwelling units and sleeping units. A task group will be convened to review this topic between the First and Second Draft phases of the revision process.

Response Message: FR-5227-NFPA 72-2022

Public Input No. 339-NFPA 72-2022 [Sections 29.7.1.1, 29.7.1.2]

Public Input No. 357-NFPA 72-2022 [Section No. 29.7.1.2]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
16 Affirmative All
0 Affirmative with Comments
4 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Hansen, Greg L.

McBride, Jeffery P.

Murphy, Paul

Ogle, Cory

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Negative with Comment

Gottuk, Daniel T.

NFPA 72 should not follow the IFC/IBC. NFPA 72 included these installation locations for purposes of safety. No rationale or technical justification has been provided to change the installation requirements other than being consistent with the IFC/IBC. The original locations should remain.

Jakusz, Matthew

We assigned a Work Group to review this area and we should follow their recommendation.

Miller, Thomas H.

This exceeds the intent of this Chapter. In addition, the necessity of installing carbon monoxide alarms in all rooms containing a fuel burning appliance is inviting excessive unwanted alarms and the

need for such requirements has not been documented.

Olenick, Stephen M.

Upon further reflection, Dr. Gottuk has made a fair point that the requirements in NFPA 72 should not solely be based on whatever the ICC codes are requiring without appropriate technical justification. The current requirements are based on a FPRF study. A task group has been formed to consider changes to this section and I support that. I am opposed, though, to making changes before such a task group has looked more closely at these requirements, given Dr. Gottuk's concerns. I'd prefer the task group do their work, public comments be submitted with firm technical justification for the changes, and further consideration be given to this by the Committee at the Second Draft meeting before changes are made to these requirements.

First Revision No. 5241-NFPA 72-2022 [Section No. 29.8.1.2]

29.8.1.2

Where the area addressed in 29.8.1.1(2) is separated from the adjacent living areas by a door, a smoke alarm or smoke detector shall be installed in the ~~area between the door and the sleeping rooms, and additional alarms shall be installed on the living area side of the door as specified by 29.8.1.1 and 29.8.1.3.~~ following locations:

(1) In the area between the door and the sleeping rooms, and additional alarms shall be installed

(2) On the living area side of the door as specified by 29.8.1.1 and 29.8.1.3~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:08:14 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style. The order of smoke alarm and smoke detector was made to be consistent throughout the chapter.
Response Message: FR-5241-NFPA 72-2022

Public Input No. 46-NFPA 72-2021 [Section No. 29.8.1.2]

Public Input No. 362-NFPA 72-2022 [Section No. 29.8.1.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5242-NFPA 72-2022 [Section No. 29.8.1.3.1]

29.8.1.3.1*

All points on the ceiling shall ~~have a smoke alarm within a distance of 30 ft (9.1 m) travel distance or shall have an equivalent of one smoke alarm per 500 ft2 (46 m2) of floor area.~~ comply with one of the following:

(1) Have a smoke alarm or smoke detector within ~~a distance of~~ 30 ft (9.1 m) travel distance ~~or shall have~~

(2) Have an equivalent of one smoke alarm or smoke detector per 500 ft^2 (46 m^2) of floor area~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:11:53 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style.
Response Message: FR-5242-NFPA 72-2022

Public Input No. 47-NFPA 72-2021 [Section No. 29.8.1.3.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.

Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5243-NFPA 72-2022 [Section No. 29.8.2.2]

29.8.2.2*

Unless otherwise permitted by the authority having jurisdiction, audible fire alarm signals shall ~~sound only in an individual dwelling unit, suite of rooms, or similar area and shall not be arranged to operate fire-warning equipment or fire alarm systems outside these locations.~~ comply with both of the following:

(1) Sound only in an individual dwelling unit, suite of rooms, or similar area ~~and shall not~~

(2) Not be arranged to operate the audible portions of fire warning equipment or fire alarm systems outside these locations~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:13:25 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style.
Response Message: FR-5243-NFPA 72-2022

Public Input No. 48-NFPA 72-2021 [Section No. 29.8.2.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.

Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5246-NFPA 72-2022 [Section No. 29.9.1]

29.9.1 Smoke and Heat and Carbon Monoxide Alarms.

Smoke and heat and carbon monoxide alarms shall meet the requirements of 29.8.2.1.1 and be powered by one of the following means:

(1) A commercial light and power source along with a secondary power source that is capable of operating the device ~~for at least 7 days in the normal condition, followed by 4 minutes of alarm. Carbon monoxide alarms shall have sufficient capacity to operate the alarm signal(s) for at least 12 continuous hours.~~ as follows:

(a) Smoke alarms and heat alarms for at least 7 days in the normal condition, followed by 4 minutes of ~~alarm~~ T3 signal ~~.~~

(b) Carbon monoxide alarms ~~shall have~~ with sufficient capacity to operate the ~~alarm~~ T4 signal(s) for at least 12 continuous hours~~.~~

(2) ~~If~~ When a commercial light and power source is not ~~normally~~ available, a ~~dependable,~~ noncommercial ac power source along with a secondary power source that is capable of operating the device ~~for at least 7 days in the normal condition, followed by 4 minutes of alarm for smoke and heat alarms or 12 hours of alarm for carbon monoxide alarms~~ as described in 29.9.1(1) and 29.9.1(2) ~~.~~

(3) A nonrechargeable, nonreplaceable primary battery that meets the requirements of 29.9.2~~.~~

(4) ~~If~~ When a battery primary power supply is specifically permitted by governing laws, codes, or standards, a battery meeting the requirements of 29.9.7 or the requirements of 29.9.2~~.~~

(5) A suitable spring-wound mechanism for the nonelectrical portion of a listed single-station alarm with a visible indication to show that sufficient operating power is not available~~.~~

Supplemental Information

File Name	Description	Approved
Chapter_29_29_9_1_FR_5246.docx	Chapter 29 29_9_1 FR 5246	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:21:00 EDT 2022

Committee Statement

Committee Statement: The revision is made to comply with the NFPA Manual of Style. In (2) the words "normally" and "dependable" were deleted because they are vague and subjective. T3 and T4 signals were added for consistency with other requirements in the standard.

Response Message: FR-5246-NFPA 72-2022

Public Input No. 49-NFPA 72-2021 [Section No. 29.9.1]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5070-NFPA 72-2022 [Section No. 29.9.3]

29.9.3 Household Fire and Carbon Monoxide Alarm Systems.

Power for household alarm systems shall comply with the following requirements:

(1) Household fire and carbon monoxide alarm systems shall have two independent power sources consisting of a primary source that uses commercial light and power and a secondary source that consists of a rechargeable battery.

(2) The secondary source shall be capable of operating the household alarm system for at least 24 hours in the normal condition, followed by 4 minutes of fire alarm or 12 hours of carbon monoxide alarm.

(a) ~~Effective January 1, 2022, the~~ The secondary power source of the household carbon monoxide system shall be capable of operating the system for at least 12 hours of alarm in accordance with 29.5.4.

(b) The secondary power source of a household carbon monoxide system shall not be required to operate the system for 12 hours of alarm if the power source of carbon monoxide detectors and carbon monoxide audible notification appliances incorporating a low-power radio (wireless) transmitter/transceiver is capable of providing at least 24 hours in the normal condition, followed by 12 hours of alarm.

(3) The secondary power source shall be supervised ~~and shall cause~~ with a distinctive audible and visible trouble signal upon removal or disconnection of a battery or a low-battery condition.

(4) A rechargeable battery used as a secondary power source shall meet the following criteria:

(a) Be automatically recharged by an ac circuit of the commercial light and power source

(b) Be recharged within 48 hours

(c) Provide a distinctive audible trouble signal before the battery is incapable of operating the device(s) for alarm purposes

(5) Low-power wireless systems shall comply with the performance criteria of Section 23.16, except as modified by 29.10.8.1.1.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 15:25:16 EDT 2022

Committee Statement

Committee Statement: The date listed in the section has passed and no longer necessary. Section 29.3 (3) was changed to comply with MoS by eliminating a double shall.
Response Message: FR-5070-NFPA 72-2022

Public Input No. 50-NFPA 72-2021 [Section No. 29.9.3]

Public Input No. 253-NFPA 72-2022 [Section No. 29.9.3]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5234-NFPA 72-2022 [Section No. 29.9.4]

29.9.4 AC Primary Power Source.

The ac power source specified in 29.9.1 and 29.9.3 shall comply with the following conditions:

(1) A visible “power on” indicator ~~shall be~~ is provided.

(2) All electrical systems ~~designed to be~~ installed by other than a qualified electrician ~~shall be~~ are powered from a source not in excess of 30 volts that meets the requirements for power-limited fire alarm circuits as ~~defined~~ covered in Article 760 of *NFPA 70*.

(3)* A restraining means ~~shall be~~ is used at the plug-in of any cord-connected installation, unless the unit utilizes a secondary (standby) power source meeting the requirements of Section 29.9 and loss of the ac primary power source results in annunciation of an audible trouble signal meeting 29.10.6.5.

(4) AC primary (main) power ~~shall be~~ is supplied either from a dedicated branch circuit or the unswitched portion of a branch circuit also used for power and lighting.

(5) Operation of a switch (other than a circuit breaker) ~~shall~~ does not cause loss of primary (main) power.

(6) Alarms powered by branch circuits protected by arc-fault circuit-interrupters (AFCI) or ground-fault circuit-interrupters (GFCI) ~~shall~~ have a secondary power source.

(7) Neither loss nor restoration of primary (main) power ~~shall~~ will cause an alarm signal that exceeds 2 seconds.

(8) Where a secondary (standby) battery is provided, the primary (main) power supply ~~shall be~~ is of sufficient capacity to operate the system under all conditions of loading with any secondary (standby) battery disconnected or fully discharged.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 10:06:54 EDT 2022

Committee Statement

Committee Statement: The first revision provides compliance with the NFPA Manual of Style and revises text for clarity. The Technical Committee does not support the need for both audible and visual signals.

Response Message: FR-5234-NFPA 72-2022

Public Input No. 562-NFPA 72-2022 [Section No. 29.9.4]

Public Input No. 372-NFPA 72-2022 [Section No. 29.9.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All

0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5075-NFPA 72-2022 [Section No. 29.9.5]

29.9.5 Secondary (Standby) Power Source.

29.9.5.1

Where alarms include a battery that is used as a secondary power source, the following conditions shall be met:

(1) The secondary power source ~~shall be~~ is supervised. ~~and shall cause~~

(2) The secondary power source causes a distinctive audible or visible trouble signal upon removal or disconnection of a battery or a low-battery condition.

(3) Acceptable replacement batteries ~~shall be~~ are clearly identified by the manufacturer's name and model number on the unit near the battery compartment.

(4) A rechargeable battery used as a secondary power source ~~shall meet~~ meets the following criteria:

(a) Be automatically recharged by the primary power source

(b) Be recharged within 4 hours where power is provided from a circuit that can be switched on or off by means other than a circuit breaker, or within 48 hours where power is provided from a circuit that cannot be switched on or off by means other than a circuit breaker

(c) Provide a distinctive audible trouble signal before the battery is incapable of operating the device(s) for alarm purposes

(d) At the battery condition at which a trouble signal is obtained, be capable of producing a fire alarm signal for at least 4 minutes or the carbon monoxide signal for 12 continuous hours, followed by not less than 7 days of trouble signal operation

(e) Produce an audible trouble signal at least once every minute for 7 consecutive days

29.9.5.2

Where required by law for disposal reasons, rechargeable batteries shall be removable.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 15:40:53 EDT 2022

Committee Statement

Committee Statement: The technical committee moves to make the FR as shown. Section 29.9.5 has been rewritten to comply with MoS.
Response Message: FR-5075-NFPA 72-2022

Public Input No. 563-NFPA 72-2022 [Section No. 29.9.5]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters

1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5078-NFPA 72-2022 [Section No. 29.9.8]

29.9.8 Primary Power Source (Rechargeable Battery).

If alarms are powered by a rechargeable battery, the following conditions shall be met:

(1) The battery ~~shall~~ , with proper charging, ~~be~~ is able to power the alarm for a life of 1 year.

(2) The battery ~~shall be~~ is automatically recharged by a circuit of the commercial light and power source.

(3) The battery ~~shall be~~ is recharged within 4 hours where power is provided from a circuit that can be switched on or off by means other than a circuit breaker or within 48 hours where power is provided from a circuit that cannot be switched on or off by means other than a circuit breaker.

(4) A distinctive audible trouble signal ~~shall~~ will sound before the battery is incapable of operating the device(s) for alarm purposes.

(5) For a unit employing a lock-in alarm feature, automatic transfer ~~shall be~~ is provided from alarm to a trouble condition.

(6) At the battery condition at which a trouble signal is obtained, the unit ~~shall be~~ is capable of producing a fire alarm signal for at least 4 minutes or a carbon monoxide alarm signal for 12 continuous hours, followed by not less than 7 days of trouble signal operation.

(7) The audible trouble signal ~~shall be~~ is produced at least once every minute for 7 consecutive days.

(8) ~~The~~ If the alarm is designed to allow removal of the battery ~~shall be nonremovable, or a noticeable and visible indication shall be displayed when the battery is removed from the unit~~ , a noticeable and visible notification is displayed when the battery is removed .

Supplemental Information

File Name	Description	Approved
Chapter_29_29_9_8_FR_5078.docx	Chapter 29 29_9_8 FR_5078	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 16:10:59 EDT 2022

Committee Statement

Committee Statement: Section 29.9.8 has been rewritten to comply with MoS.
Response Message: FR-5078-NFPA 72-2022

Public Input No. 564-NFPA 72-2022 [Section No. 29.9.8]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned

20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5081-NFPA 72-2022 [Section No. 29.9.9]

29.9.9 Secondary (Standby) Non-Battery Power Source.

Where alarms include a secondary power source (non-battery), the following conditions shall be met:

(1) The secondary power source ~~shall be~~ is supervised ~~and shall cause a distinctive audible or visible trouble signal upon depletion or failure~~ .

(2) ~~A~~ The secondary power source causes a distinctive audible or visible trouble signal upon depletion or failure.

(3) ~~shall be~~ A distinctive audible trouble signal is provided before the power source is incapable of operating the device(s) for alarm purposes.

(4) At a power source condition at which a trouble signal is obtained, the power source ~~shall be~~ is capable of producing a fire alarm signal for at least 4 minutes or a carbon monoxide alarm signal for at least 12 continuous hours, followed by not less than 7 days of trouble signal operation.

(5) The audible trouble signal ~~shall be~~ is produced at least once every minute for 7 consecutive days.

(6) A rechargeable secondary power source ~~shall meet the following criteria:~~ is automatically recharged.

~~Be automatically recharged~~

(7) ~~Be~~ A rechargeable secondary power source is recharged within 4 hours where power is provided from a circuit that can be switched on or off by means other than a circuit breaker or within 48 hours where power is provided from a circuit that cannot be switched on or off by means other than a circuit breaker.

Supplemental Information

File Name	Description	Approved
Chapter_29_29_9_9_FR_5081.docx	Chapter 29 29_9_9 FR 5081	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 16:26:20 EDT 2022

Committee Statement

Committee Statement: Section 29.9.9 has been rewritten to comply with MoS.
Response Message: FR-5081-NFPA 72-2022

Public Input No. 565-NFPA 72-2022 [Section No. 29.9.9]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters

1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5109-NFPA 72-2022 [Section No. 29.10.1]

29.10.1 Self-Diagnostic.

Any failure of any nonreliable or short-life component that renders ~~the detector~~ a detection device inoperable shall result in a trouble signal or otherwise be apparent to the occupant of the living unit without the need for test.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 09:00:26 EDT 2022

Committee Statement

Committee Statement: The revision to change “the detector” to “a detection device” provides clarity. Audible and visible trouble signals constituted a significant change to the standard which has not been substantiated with any data.

Response Message: FR-5109-NFPA 72-2022

Public Input No. 385-NFPA 72-2022 [Section No. 29.10.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
1 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Hansen, Greg L.
Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Affirmative with Comment

Gottuk, Daniel T.

The TC debated removing 29.10.1 entirely from the document. This section should be deleted as it is a holdover requirement from the 1978 NFPA 74 or earlier versions at a time when reliability of components was not as good as today. Also, this section should be deleted as it is not clear (i.e., use of ill-defined terms) and is covered in requirements of UL 217.

First Revision No. 5247-NFPA 72-2022 [Section No. 29.10.2]

29.10.2* Smoke Alarms, ~~System~~ Smoke Detectors, and Other Non-Heat Fire Detectors.

Each device shall ~~detect abnormal quantities of smoke or applicable fire signature, shall operate in the normal environmental conditions, and shall~~ be in compliance with applicable standards such as UL 217, *Smoke Alarms* , or UL 268, *Smoke Detectors for Fire Alarm Systems*~~, or UL 217, *Smoke Alarms*~~ .

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 11:56:14 EDT 2022

Committee Statement

Committee Statement: The revision was made to comply with the NFPA Manual of Style and to clarify the text to emphasize the intention. The deleted text is part of the testing and listing standards.

Response Message: FR-5247-NFPA 72-2022

Public Input No. 566-NFPA 72-2022 [Section No. 29.10.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5366-NFPA 72-2022 [New Section after 29.10.3.2]

29.10.3.3

Each carbon monoxide alarm or carbon monoxide detector installed in an unconditioned room or space shall be tested and listed to the unconditioned space requirements in UL 2034, *Single and Multiple Station Carbon Monoxide Alarms* , or UL 2075, *Gas and Vapor Detectors and Sensors* . *(See 29.3.1 for basic requirements.)*

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Fri Jul 22 16:38:54 EDT 2022

Committee Statement

Committee Statement: The first revision is consistent with a change to the 2024 edition of the International Fire Code/International Building Code that will allow carbon monoxide alarms to be installed inside rooms or spaces within commercial buildings that are remote from dwelling units and sleeping units.

Response Message: FR-5366-NFPA 72-2022

Public Input No. 191-NFPA 72-2022 [Section No. 29.10.3.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.

Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5248-NFPA 72-2022 [Section No. 29.10.3.2]

29.10.3.2

Each carbon monoxide detector shall ~~be in compliance with UL 2075, *Gas and Vapor Detectors and Sensors* , and shall meet the sensitivity testing and alarm thresholds of UL 2034, Single and Multiple Station Carbon Monoxide Alarms.~~ comply with both of the following:

(1) The sensitivity testing and alarm thresholds of UL 2034, *Single and Multiple Station Carbon Monoxide Alarms*~~.~~

(2) UL 2075, *Gas and Vapor Detectors and Sensors*~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 12:15:41 EDT 2022

Committee Statement

Committee Statement: The revision is made to comply with the NFPA Manual of Style and to clarify the text to emphasize the intention.
Response Message: FR-5248-NFPA 72-2022

Public Input No. 567-NFPA 72-2022 [Section No. 29.10.3.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.

Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5121-NFPA 72-2022 [Section No. 29.10.4]

29.10.4 Heat ~~Detectors~~ Alarms and Heat ~~Alarms~~ Detectors .

29.10.4.1*

Each heat alarm and heat detector ~~and heat alarm~~ , including a heat ~~detector~~ alarm or heat ~~alarm~~ detector integrally mounted on a smoke alarm or smoke detector ~~or smoke alarm~~ , shall ~~detect abnormally high temperature or rate-of-temperature rise, and all such detectors shall be listed for not less than 50 ft (15.2 m) spacing.~~ comply with both of the following:

(1) Detect abnormally high temperature or rate-of-temperature rise~~, and all such detectors shall~~

(2) Be listed for not less than 50 ft (15.2 m) spacing~~.~~

A.29.10.4.1

The linear space rating is the maximum allowable distance between heat detectors. The linear space rating is also a measure of detector response time to a standard test fire when tested at the same distance. A higher rating corresponds to a faster response time. This Code recognizes only those heat detectors with ratings of 50 ft (15.2 m) or more.

29.10.4.2*

Fixed-temperature alarms or detectors ~~or alarms~~ shall ~~have a temperature rating at least 25ºF (14ºC) above the normal ambient temperature and shall not be rated 50ºF (28ºC) higher than the maximum anticipated ambient temperature in the room or space where installed.~~ comply with both of the following:

(1) Have a temperature rating at least 25ºF (14ºC) above the normal ambient temperature ~~and shall~~

(2) Not be rated 50ºF (28ºC) higher than the maximum anticipated ambient temperature in the room or space where installed~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 09:30:31 EDT 2022

Committee Statement

Committee Statement: "Alarm" and "detector" have been realigned sequentially for consistency throughout the standard. Additional changes have been made for MoS compliance. The revision associates the annex material with the related requirement in Section 29.10.4.1.

Response Message: FR-5121-NFPA 72-2022

Public Input No. 24-NFPA 72-2021 [Section No. 29.10.4]

Public Input No. 570-NFPA 72-2022 [Section No. 29.10.4.2]

Public Input No. 568-NFPA 72-2022 [Section No. 29.10.4.1]

Public Input No. 27-NFPA 72-2021 [Section No. A.29.10.4]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
17 Affirmative All
2 Affirmative with Comments
1 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gottuk, Daniel T.

Hansen, Greg L.

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Affirmative with Comment

Gifford, Wendy B.

Note there is an inconsistency between ambient/ceiling temperature requirements in Chapters 17 and 29. This should be addressed in Second Draft meetings.

Ratzlaff, Larry

There is a conflict with the activation temperature verses the ambient temperature in the requirements outlined in chapter 17 and Chapter 29. Extracted from NFPA 72 2022 edition NFPA 72 2022 -17 .6.2.3.2 The temperature rating of the detector shall be at least 20°F (11 °C) above the maximum expected temperature at the ceiling. 29.10.4.2* Fixed-temperature detectors or alarms shall have a temperature rating at least 25°F (l 4°C) above the normal ambient temperature and shall not be rated 50°F (28°C) higher than the maximum anticipated ambient temperature in the room or space where installed. The recently released harmonized edition of the heat alarm standard (UL539 /ULC

589) uses the requirements from chapter 17 for single and multiple station alarms. Extracted from UL 539/ULC 589 2022 edition INSTRUCTIONS 72 General 72.1 Each unit shall be provided with the following manufacturer’s published instructions that shall include the following: g) The following information for a low-degree unit. The minimum letter height shall be 3.2 mm (1/8 in) for the word "CAUTION" and 2.4 mm (3/32 in) for the remainder of the text. The word "CAUTION" shall be used with the following or equivalent text: "To avoid a false alarm, do not use where maximum room temperature will exceed (+)”. (+) Temperature that is 11 °C (20 °F) below rating is to be inserted. For consistency throughout the standard the requirements for the alarm point with regards to the maximum ambient/ceiling temperature should be consistent throughout the standard. UL has already adopted the requirements of chapter 17 for the new heat alarm standard. section 29.10.4.2 should be revised to match 17 .6.2.3.2 and read as follows: 29.10.4.2* Fixed-temperature detectors or alarms shall have a temperature rating at least 20°F(11 °C) above the normal ambient temperature and shall not be rated 50°F (28°C) higher than the maximum anticipated ambient/ceiling temperature in the room or space where installed.

Negative with Comment

Jakusz, Matthew

We assigned a Work Group to review this area and we should follow their recommendation.

First Revision No. 5133-NFPA 72-2022 [Section No. 29.10.6.9]

29.10.6.9

Any data exchange between the control unit and separate independent devices via remote access shall not compromise the integrity of the ~~fire~~ alarm system.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:09:43 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to cover all alarm systems.
Response Message: FR-5133-NFPA 72-2022

Public Input No. 389-NFPA 72-2022 [Section No. 29.10.6.9]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.

Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5144-NFPA 72-2022 [Section No. 29.10.6.10]

29.10.6.10

Remote resetting and silencing of a control unit from other than the protected premises shall be inhibited for a minimum of 4 minutes from the initial activation of ~~the~~ any fire or carbon monoxide alarm signal.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:30:32 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to apply to fire and CO alarm signals.
Response Message: FR-5144-NFPA 72-2022

Public Input No. 391-NFPA 72-2022 [Section No. 29.10.6.10]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5148-NFPA 72-2022 [Section No. 29.10.6.11]

~~**29.10.6.11**~~

~~Each electrical carbon monoxide detection system shall have an integral test means to allow testing of the system operation.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:44:11 EDT 2022

Committee Statement

Committee Statement: The requirement adds a mandate to equip control units to have an integral test means which is not currently required by the product certification standard.
Response Message: FR-5148-NFPA 72-2022

Public Input No. 392-NFPA 72-2022 [Section No. 29.10.6.11]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5152-NFPA 72-2022 [Section No. 29.10.7.4]

29.10.7.4

The use of a common audible notification appliance shall be permitted ~~as long as distinctive signals are generated~~ when fire devices activate a T3 signal and carbon monoxide devices activate a T4 signal .

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:51:17 EDT 2022

Committee Statement

Committee Statement: The revision identifies the specific distinctive signals that are required for fire devices and carbon monoxide devices.
Response Message: FR-5152-NFPA 72-2022

Public Input No. 395-NFPA 72-2022 [Section No. 29.10.7.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew

McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5155-NFPA 72-2022 [Section No. 29.10.7.5]

29.10.7.5

Faults in other systems or components shall not affect the operation of the household fire alarm system or carbon monoxide detection system .

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:55:58 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to apply to CO systems. The terminology has been revised for consistency with existing definitions.
Response Message: FR-5155-NFPA 72-2022

Public Input No. 396-NFPA 72-2022 [Section No. 29.10.7.5]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5158-NFPA 72-2022 [Section No. 29.10.7.8.2]

29.10.7.8.2

Single- or multiple-station smoke alarms and carbon monoxide alarms shall be permitted to be connected to ~~system control equipment~~ a control unit located within the dwelling unit.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 10:59:48 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to apply to CO alarms and amends “control equipment” to “control unit” for specificity of application.
Response Message: FR-5158-NFPA 72-2022

Public Input No. 405-NFPA 72-2022 [Section No. 29.10.7.8.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5159-NFPA 72-2022 [Section No. 29.10.7.8.3]

29.10.7.8.3

~~When connected, the actuation of a~~ If single- or multiple-station ~~smoke~~ alarms are connected to a control unit, the following shall occur: ~~shall initiate an alarm signal at the system control equipment located within the dwelling unit.~~

(1) The actuation of a single- or multiple-station smoke alarm initiates a fire alarm signal at the control unit located within the dwelling unit.

(2) The actuation of a single- or multiple-station carbon monoxide alarm initiates a carbon monoxide alarm signal at the control unit located within the dwelling unit.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 11:11:14 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to apply to CO alarms and has been structured for MoS compliance.
Response Message: FR-5159-NFPA 72-2022

Public Input No. 407-NFPA 72-2022 [Section No. 29.10.7.8.3]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.

Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5162-NFPA 72-2022 [Section No. 29.10.7.8.4]

29.10.7.8.4

A fire sprinkler waterflow alarm initiating device shall be permitted to be connected to the multiple-station alarms or household fire alarm system to actuate ~~an~~ a fire alarm signal.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 11:21:45 EDT 2022

Committee Statement

Committee Statement: The first revision clarifies the requirement to specify that fire sprinkler waterflow alarm initiating devices are required to initiate a fire alarm signal.
Response Message: FR-5162-NFPA 72-2022

Public Input No. 409-NFPA 72-2022 [Section No. 29.10.7.8.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5167-NFPA 72-2022 [Section No. 29.10.8.1 [Excluding any Sub-Sections]]

Household fire alarm systems and carbon monoxide detection systems utilizing low-power wireless transmission of signals within the protected dwelling unit shall comply with the requirements of Section 23.16, except as modified by 29.10.8.1.1.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 11:33:45 EDT 2022

Committee Statement

Committee Statement: The first revision expands the requirement to apply to CO detection systems.
Response Message: FR-5167-NFPA 72-2022

Public Input No. 410-NFPA 72-2022 [Section No. 29.10.8.1 [Excluding any Sub-Sections]]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
19 Affirmative All
1 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

Affirmative with Comment

Bish, George

Item 4 needs to be rewritten so that it is clear that this requirement is met only when a repeater is provided. Currently it could be interrupted to mean that a repeater has to be provided

First Revision No. 5173-NFPA 72-2022 [Section No. 29.10.8.1.1]

29.10.8.1.1

The requirements of 23.16.4.2 shall not apply where periodic monitoring for integrity complies with all of the following:

(1) Each low-power transmitter/transceiver shall transmit check-in signals at intervals not exceeding 80 minutes.

(2) Any transmission interruption between a low-power radio transmitter/transceiver and the receiver/fire alarm control unit exceeding 4 hours shall cause a latching trouble signal at the household fire alarm control unit/operator interface.

(3) Low-power transmitters/transceivers shall be limited to serving a single initiating device; however, ~~a single~~ the initiating device shall be permitted to send multiple types of alarm signals.

(4) Redundant retransmission devices (repeaters) shall be provided such that disconnecting or failure of any single retransmission device (repeater) does not interrupt communications between any low-power transmitter/transceiver and the receiver/fire alarm control unit.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 12:28:24 EDT 2022

Committee Statement

Committee Statement: The first revision makes a an editorial change in list item (3).
Response Message: FR-5173-NFPA 72-2022

Public Input No. 571-NFPA 72-2022 [Section No. 29.10.8.1.1]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5090-NFPA 72-2022 [Section No. 29.10.9.4]

29.10.9.4

Public emergency alarm reporting systems shall transmit signals to an emergency services communications system meeting the requirements of ~~NFPA 1221~~ NFPA 1225 .

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 17:04:20 EDT 2022

Committee Statement

Committee Statement: The first revision references the new NFPA 1225 standard after consolidation of NFPA 1221 as part of the Emergency Response and Responder Safety Consolidation Plan.

Response Message: FR-5090-NFPA 72-2022

Public Input No. 261-NFPA 72-2022 [Section No. 29.10.9.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5177-NFPA 72-2022 [Section No. 29.10.9.9]

29.10.9.9

The activation of a ~~keypad~~ fire alarm signal through a user interface shall require ~~a manual operation of~~ two simultaneous or sequential operations.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 13:30:24 EDT 2022

Committee Statement

Committee Statement: The first revision recognizes all types of user interface devices/equipment covered by this requirement.
Response Message: FR-5177-NFPA 72-2022

Public Input No. 415-NFPA 72-2022 [Section No. 29.10.9.9]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5249-NFPA 72-2022 [Section No. 29.10.9.10.1]

29.10.9.10.1

Where a digital alarm communicator transmitter (DACT) is used, the DACT serving the protected premises shall ~~only require a single telephone line and shall only require a call to a single digital alarm communicator receiver (DACR) number.~~ comply with both of the following:

(1) Require one telephone line

(2) Require a call to one digital alarm communicator receiver (DACR) number

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 12:20:15 EDT 2022

Committee Statement

Committee Statement: The first revision is made for compliance with the NFPA Manual of Style.
Response Message: FR-5249-NFPA 72-2022

Public Input No. 5-NFPA 72-2021 [Section No. 29.10.9.10.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5250-NFPA 72-2022 [Section No. 29.10.9.10.4]

29.10.9.10.4

Where a communication or transmission means other than DACT is used, all equipment necessary to transmit an alarm signal shall ~~be provided with a minimum of 24 hours of secondary power capacity and shall report a trouble condition indicating loss of primary power.~~ comply with both of the following:

(1) Be provided with a minimum of 24 hours of secondary power capacity

(2) Report a trouble condition indicating loss of primary power~~.~~

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 12:23:17 EDT 2022

Committee Statement

Committee Statement: The first revision is made for compliance with the NFPA Manual of Style.
Response Message: FR-5250-NFPA 72-2022

Public Input No. 6-NFPA 72-2021 [Section No. 29.10.9.10.4]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5219-NFPA 72-2022 [Section No. 29.11.1.4]

29.11.1.4

The supplier or installing contractor shall ~~provide the system owner or other responsible parties with the following:~~ comply with 29.11.1.4.1 and 29.11.1.4.2 .

~~An instruction booklet illustrating typical installation layouts~~

~~Instruction charts describing the operation, method, and frequency of testing and maintenance of the warning equipment~~

~~Printed information for establishing an emergency evacuation plan~~

~~Printed information to inform system owners where they can obtain repair or replacement service, and where and how parts requiring regular replacement, such as batteries or bulbs, can be obtained within 2 weeks~~

~~Information noting both of the following:~~

~~Unless otherwise recommended by the manufacturer's published instructions, smoke alarms shall be replaced when they fail to respond to tests.~~

~~Smoke alarms shall not remain in service longer than 10 years from the date of manufacture unless otherwise provided by manufacturer's published instructions.~~

~~The instructions required in Section 29.14~~

29.11.1.4.1

The supplier or installing contractor shall provide the system owner or other responsible parties with the following:

(1) An instruction booklet illustrating typical installation layouts

(2) Instruction charts describing the operation, method, and frequency of testing and maintenance of the warning equipment

(3) Printed information for establishing an emergency evacuation plan

(4) Printed information to inform system owners where they can obtain repair or replacement service, and where and how parts requiring regular replacement, such as batteries or bulbs, can be obtained within 2 weeks

(5) The instructions required in Section 29.14

29.11.1.4.2

The supplier or installing contractor shall provide the system owner or other responsible parties with the following:

(1) Unless otherwise recommended by the manufacturer's published instructions, smoke alarms ~~shall be~~ and carbon monoxide alarms are replaced when they fail to respond to tests.

(2) Smoke alarms ~~shall~~ and carbon monoxide alarms do not remain in service longer than 10 years from the date of manufacture unless otherwise provided by manufacturer's published instructions.

Supplemental Information

File Name	Description	Approved

Chapter_29_29_11_1_4_FR_5219.docx Chapter 29 29_11_1_4 FR 5219

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 16:57:47 EDT 2022

Committee Statement

Committee Statement: The revision aligns with the Manual of Style (MOS) by making sure that all requirements are met by separating them into two sections, 29.11.1.4.1 and 29.11.1.4.2. Adding carbon monoxide alarms to this section will add uniformity and consistency and these criteria should apply to carbon monoxide alarms.

Response Message: FR-5219-NFPA 72-2022

Public Input No. 8-NFPA 72-2021 [Section No. 29.11.1.4]

Public Input No. 421-NFPA 72-2022 [Section No. 29.11.1.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.

Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5251-NFPA 72-2022 [Section No. 29.11.3 [Excluding any Sub-Sections]]

Smoke alarms, smoke detectors, ~~devices,~~ combination of devices, and equipment shall ~~be installed in accordance with the manufacturer's listing and published instructions, and, unless specifically listed for the application, shall comply with requirements in 29.11.3.1 through 29.11.3.4.~~ comply with the following:

(1) Be installed in accordance with the product listing and manufacturer's published instructions

(2) Comply with requirements in 29.11.3.1 through 29.11.3.4 unless specifically listed for the application

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 12:32:17 EDT 2022

Committee Statement

Committee Statement: This revision is made to comply with the NFPA Manual of Style and deletes language that is redundant.
Response Message: FR-5251-NFPA 72-2022

Public Input No. 9-NFPA 72-2021 [Section No. 29.11.3 [Excluding any Sub-Sections]]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.

Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5220-NFPA 72-2022 [Section No. 29.11.3.4]

29.11.3.4 Specific Location Requirements.

The installation of smoke alarms and smoke detectors shall comply with the following requirements:

(1) Smoke alarms and smoke detectors shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer's published instructions.

(2) Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40ºF (4.4ºC) or exceed 100ºF (38ºC).

(3)* Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an inside wall.

(4)* Smoke alarms and smoke detectors shall not be installed between 10 ft (3.0 m) and 20 ft (6.1 m) along a horizontal flow path from a stationary or fixed cooking appliance unless the devices ~~comply with the following:~~ are listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, *Smoke Alarms* , the 7th edition of UL 268, *Smoke Detectors for Fire Alarm Systems* , or subsequent editions.

~~Prior to January 1, 2023, smoke alarms and smoke detectors shall be equipped with an alarm silencing means, use photoelectric detection, or be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, *Smoke Alarms,* the 7th edition of UL 268, *Smoke Detectors for Fire Alarm Systems,* or subsequent editions.~~

~~Effective January 1, 2023, smoke alarms and smoke detectors shall be .~~

(5) Smoke alarms and smoke detectors shall not be installed within an area of exclusion determined by a 10 ft (3.0 m) radial distance along a horizontal flow path from a stationary or fixed cooking appliance. When the 10 ft (3.0 m) area of exclusion would prohibit the placement of a smoke alarm or smoke detector required by other sections of this Code, and when the kitchen or cooking area and adjacent spaces have no clear interior partitions or headers, smoke alarms or smoke detectors shall be permitted for installation at a radial distance between 6 ft (1.8 m) and 10 ft (3.0 m) from any stationary or fixed cooking appliance unless the devices ~~comply with the following:~~ are listed for resistance to common nuisance sources from cooking nuisance alarms in accordance with the 8th edition of UL 217, the 7th edition of UL 268, or subsequent editions.

~~Prior to January 1, 2023, the devices shall use photoelectric detection or be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, the 7th edition of UL 268, or subsequent editions.~~

~~Effective January 1, 2023, the devices shall be~~

(6)* Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from a door to a bathroom containing a shower or tub unless listed for installation in close proximity to such locations.

(7) Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.

(8)* Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan unless the room configuration restricts meeting this requirement.

(9) Where stairs lead to other occupiable levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.

(10) For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.

(11)* For tray-shaped ceilings (coffered ceilings), smoke alarms and smoke detectors shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within

12 in. (300 mm) vertically down from the highest point.

(12) Smoke alarms and smoke detectors installed in rooms with joists or beams shall comply with the requirements of 17.7.4.2.4.

~~Heat alarms and detectors installed in rooms with joists or beams shall comply with the requirements of 17.6.3 .~~

Supplemental Information

File Name	Description	Approved
Chapter_29_29_11_3_4_FR_5220.docx	Chapter 29 29_11_3_4 FR 5220	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:18:17 EDT 2022

Committee Statement

Committee Statement: As the effective date for UL listing is June 30, 2024, identifying an effective date in NFPA 72, post listing date, is not necessary.

In order to stay consistent with sub-sections 1-11 (1-9 new) of Section 29.11.3.4, adding “smoke” before detectors in sub-section 12 (No. 10 new) was added for consistency.

Item 11, regarding heat alarm and detectors, was removed from 29.11.3 since this section deals with smoke alarm and smoke detectors and belongs in 29.11.4.

Response Message: FR-5220-NFPA 72-2022

Public Input No. 160-NFPA 72-2022 [Section No. 29.11.3.4]

Public Input No. 251-NFPA 72-2022 [Section No. 29.11.3.4]

Public Input No. 423-NFPA 72-2022 [Section No. 29.11.3.4]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5221-NFPA 72-2022 [Section No. 29.11.4]

29.11.4* Heat Alarms and Heat Detectors ~~and Heat Alarms~~ .

29.11.4.1*

On smooth ceilings, heat ~~detectors~~ alarms and heat ~~alarms~~ detectors shall be installed within the strict limitations of their listed spacing.

29.11.4.2*

For sloped ceilings having a rise greater than 1 ft in 8 ft (1 m in 8 m) horizontally, the ~~detector or alarm~~ heat alarm or heat detector shall be located within 36 in. (910 mm) of the peak.

29.11.4.3

The spacing of additional heat alarms or heat detectors ~~or alarms~~ , if any, shall be based on a horizontal distance measurement, not on a measurement along the slope of the ceiling.

29.11.4.4*

Heat ~~detectors or~~ alarms or heat detectors shall be mounted on the ceiling at least 4 in. (100 mm) from a wall or on a wall with the top of the ~~detector or alarm~~ heat alarm or heat detector not less than 4 in. (100 mm), nor more than 12 in. (300 mm), below the ceiling.

29.11.4.5

Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, the heat alarms or heat detectors ~~or alarms~~ shall be mounted on an inside wall.

29.11.4.6

In rooms with open joists or beams, all ceiling-mounted ~~detectors or alarms~~ heat alarms or heat detectors shall be located on the bottom of such joists or beams.

29.11.4.7*

~~Detectors or alarms~~ Heat alarms or heat detectors installed on an open-joisted ceiling shall have their smooth ceiling spacing reduced where this spacing is measured at right angles to solid joists; in the case of heat alarms or heat detectors ~~or heat alarms~~ , this spacing shall not exceed one-half of the listed spacing.

29.11.4.8

Heat alarms and heat detectors installed in rooms with joists or beams shall comply with the requirements of 17.6.3 .

Supplemental Information

File Name	Description	Approved
Chapter_29_29_11_4_FR_5221.docx	Chapter 29 29_11_4 FR 5221	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:36:52 EDT 2022

Committee Statement

Committee The revision aligns alarm requirements before detector requirements and add the word

Statement: heat before alarm and detector for consistency. Added 29.11.4.8, which was previously in the smoke detector 29.11.3 section, and modified text to be in-line with other sections.

Response Message: FR-5221-NFPA 72-2022

Public Input No. 25-NFPA 72-2021 [Section No. 29.11.4]

Public Input No. 17-NFPA 72-2021 [Section No. 29.11.4.3]

Public Input No. 431-NFPA 72-2022 [New Section after 29.11.4.7]

Public Input No. 19-NFPA 72-2021 [Section No. 29.11.4.6]

Public Input No. 16-NFPA 72-2021 [Section No. 29.11.4.2]

Public Input No. 426-NFPA 72-2022 [Section No. 29.11.4.3]

Public Input No. 427-NFPA 72-2022 [Section No. 29.11.4.4]

Public Input No. 430-NFPA 72-2022 [Section No. 29.11.4.7]

Public Input No. 429-NFPA 72-2022 [Section No. 29.11.4.6]

Public Input No. 424-NFPA 72-2022 [Section No. 29.11.4.2]

Public Input No. 18-NFPA 72-2021 [Section No. 29.11.4.5]

Public Input No. 425-NFPA 72-2022 [Section No. 29.11.4.2]

Public Input No. 10-NFPA 72-2021 [Section No. 29.11.4.7]

Public Input No. 428-NFPA 72-2022 [Section No. 29.11.4.5]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5252-NFPA 72-2022 [Section No. 29.14.1.1.1]

29.14.1.1.1

All alarms and detectors shall comply with 29.14.1.1.1.1 to 29.14.1.1.1.2 .

29.14.1.1.1.1

All alarms and detectors shall be plainly marked with the following information on the unit:

(1) Manufacturer's or listee's name, address, and model number

(2) A mark or certification that the unit complies with the definition of ~~"Listed"~~ *listed* in 3.2.5

(3) Electrical rating (where applicable)

(4) Manufacturer's published operating and maintenance instructions

(5) Test instructions

(6) Replacement and service instructions

(7) Explanation of signal indicators, including identification of lights, switches, meters, and similar devices, regarding their function, unless their function is obvious

(8) Distinction between alarm and trouble signals on units employing both

~~The sensitivity setting for an alarm having a fixed setting (For an alarm that is intended to be adjusted in the field, the range of sensitivity shall be indicated. The marked sensitivity shall be indicated as a percent per foot obscuration level. The marking shall include a nominal value plus tolerance.)~~

(9) Reference to an installation diagram and system owner's manual

(10) Date of manufacture in the format YEAR (in four digits), MONTH (in letters), and DAY (in two digits) located on the outside of the alarm

29.14.1.1.1.2

All alarms and detectors shall be plainly marked on the unit in accordance with the following:

(1) The sensitivity setting for an alarm having a fixed setting

(2) For an alarm that is intended to be adjusted in the field, the range of sensitivity

(3) The marked sensitivity indicated as a percent per foot obscuration level

(4) A nominal value plus tolerance marking

Supplemental Information

File Name	Description	Approved
Chapter_29_29_14_1_1_1_FR_5252.docx	Chapter 29 29_14_1_1_1 FR 5252	

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Wed Jul 20 12:45:28 EDT 2022

Committee Statement

Committee The revision is made to comply with the NFPA Manual of Style. Existing (9) was

Statement: rewritten as 29.14.1.1.1.2.
Response Message: FR-5252-NFPA 72-2022

Public Input No. 15-NFPA 72-2021 [Section No. 29.14.1.1.1]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5222-NFPA 72-2022 [Section No. 29.14.1.2]

Detail FR-5233

29.14.1.2 Carbon Monoxide Alarms and Carbon Monoxide Detectors.

In addition to 29.14.1.1, carbon monoxide alarms or carbon monoxide detectors shall be marked with the following information:

(1) Statement that indicates the unit is not suitable as a fire detector

(2) Warning that carbon monoxide is odorless, colorless, and tasteless

(3) Emergency actions to be taken

(4) Recommended replacement date

(5) If listed for use in an unconditioned area

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:46:44 EDT 2022

Committee Statement

Committee Statement: The revisions provides consistency with previous sections where the more descriptive terminology was used.
Response Message: FR-5222-NFPA 72-2022

Public Input No. 433-NFPA 72-2022 [Section No. 29.14.1.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5223-NFPA 72-2022 [Section No. 29.14.2.1]

29.14.2.1 Carbon Monoxide Alarms and Carbon Monoxide Detectors.

The following information shall be included in the instructions provided with carbon monoxide alarms and carbon monoxide detectors:

(1) Installation instructions

(2) Operating instructions

(3) Testing instructions

(4) Maintenance instructions

(5) Replacement and service instructions

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:48:09 EDT 2022

Committee Statement

Committee Statement: The revision provides for consistency with previous sections where the more descriptive terminology was used.
Response Message: FR-5223-NFPA 72-2022

Public Input No. 434-NFPA 72-2022 [Section No. 29.14.2.1]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5224-NFPA 72-2022 [Section No. 29.14.2.2]

29.14.2.2 Carbon Monoxide Alarms and Carbon Monoxide Detectors.

In addition to 29.14.2.1, the following information shall be included in the instructions provided with carbon monoxide alarms and carbon monoxide detectors:

(1) Statement indicating that smoke might not be present during a carbon monoxide alarm condition

(2)* Information on the actions to be taken in case of an alarm

(3) Minimum and recommended distances from fuel-burning appliances

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 17:49:21 EDT 2022

Committee Statement

Committee Statement: The revision provides for consistency with previous sections where the more descriptive terminology was used.
Response Message: FR-5224-NFPA 72-2022

Public Input No. 435-NFPA 72-2022 [Section No. 29.14.2.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

First Revision No. 5203-NFPA 72-2022 [Section No. A.29.5.8]

A.29.5.8

Low frequency or tactile notification appliances such as bed shakers have been shown to be effective in waking those with normal hearing to profound hearing loss [CSE NIH report, 2005; Bruck and Thomas, 2009; Bruck, Thomas, and Ball, NFPA RF report, 2007]. Additionally, see the NFPA Fire Protection Research Foundation report, *Review of Alarm Technologies for Deaf and Hard of Hearing Populations* , August 2021, for further details.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 15:54:53 EDT 2022

Committee Statement

Committee Statement: The additional information provides more current data to support the requirement.
Response Message: FR-5203-NFPA 72-2022

Public Input No. 219-NFPA 72-2022 [Section No. A.29.5.8]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.

Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5210-NFPA 72-2022 [Section No. A.29.5.10.2]

A.29.5.10.2

Tactile notification appliances such as bed shakers have been shown to be effective in waking those with normal hearing to profound hearing loss [Ashley et al., 2005, UL 1971, 2018]. Tactile signaling has been studied and found to be an effective way to alert and notify sleeping persons. However, there are many variables that have not been tested that might affect the reliability of their performance. Some of the appliance variables include the mass of the appliance, frequency of vibration, and the throw or displacement of the vibrating mass. Occupant variables that might affect the reporting of test results and the effectiveness of the appliance include the person's age, how long a person has lived with their hearing loss, and what sleep stage the person is experiencing when the appliance operates. The type of mattress might also have an effect of the performance of certain tactile appliances. Mattress variables can include thickness, firmness, memory foam, pillow tops, water beds, air beds, and motion isolation mattresses. Users of tactile appliances should be cautioned to test how well they might sense the effect of the appliance.

The Code requires both visual notification appliances and tactile appliances. Visual notification appliances can awaken sleeping persons, provide verification that there is a fire alarm condition, and serve to alert persons when they are not in contact with a tactile appliance. See the NFPA Fire Protection Research Foundation report, *Review of Alarm Technologies for Deaf and Hard of Hearing Populations* , August 2021, for further details.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 16:08:28 EDT 2022

Committee Statement

Committee Statement: The additional information provides more current data to support the requirement.
Response Message: FR-5210-NFPA 72-2022

Public Input No. 221-NFPA 72-2022 [Section No. A.29.5.10.2]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George

Christian, David E.

Cleary, Thomas G.

Dedear, Timothy K.

Gifford, Wendy B.

Gottuk, Daniel T.

Hansen, Greg L.

Jakusz, Matthew

McBride, Jeffery P.

Miller, Thomas H.

Murphy, Paul

Ogle, Cory

Olenick, Stephen M.

Parssinen, John L.

Pollack, Roy

Ratzlaff, Larry

Sacco, Eric

Schmidt, Robert A.

Simpson, Richard M.

Wray, Walter W.

First Revision No. 5083-NFPA 72-2022 [Section No. A.29.9.4(3)]

A.29.9.4(3)

Restraining means are not intended to be used where the ~~detector or~~ alarm is designed to be plugged directly into a receptacle without a cord.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Mon Jul 18 16:34:47 EDT 2022

Committee Statement

Committee Statement: Section A.29.9.4(3) has been revised because the requirement does not apply to detectors.
Response Message: FR-5083-NFPA 72-2022

Public Input No. 26-NFPA 72-2021 [Section No. A.29.9.4(3)]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.
Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.

Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5181-NFPA 72-2022 [Section No. A.29.10.4.2]

A.29.10.4.2

A heat alarm or heat detector with a temperature rating somewhat in excess of the highest normally expected ambient temperature is specified in order to avoid the possibility of premature response of the heat alarm or heat detector to non-fire conditions.

Some areas or rooms of the dwelling unit can experience ambient temperatures considerably higher than those in the normally occupied living spaces. Examples are unfinished attics, the space near hot air registers, and some furnace rooms. This fact should be considered in the selection of the appropriate temperature rating for fixed-temperature heat alarm or heat detectors to be installed in these areas or rooms.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 14:03:42 EDT 2022

Committee Statement

Committee Statement: The revision clarifies that the text applies to heat alarms and heat detectors.
Response Message: FR-5181-NFPA 72-2022

Public Input No. 28-NFPA 72-2021 [Section No. A.29.10.4.2]

Ballot Results

This item has passed ballot

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.

Hansen, Greg L.
Jakusz, Matthew
McBride, Jeffery P.
Miller, Thomas H.
Murphy, Paul
Ogle, Cory
Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.

First Revision No. 5183-NFPA 72-2022 [Section No. A.29.11.3.4(3)]

A.29.11.3.4(3)

Smoke ~~detectors~~ alarms and smoke ~~alarms~~ detectors should be installed in those locations recommended by the manufacturer's published instructions, except in those cases where the space above the ceiling is open to the outside and little or no insulation is present over the ceiling. Such cases result in the ceiling being excessively cold in the winter or excessively hot in the summer. Where the ceiling is significantly different in temperature from the air space below, smoke and heat have difficulty reaching the ceiling and a detector that is located on that ceiling.

Submitter Information Verification

Committee: SIG-HOU
Submittal Date: Tue Jul 19 14:10:34 EDT 2022

Committee Statement

Committee Statement: The revision is to align text sequencing with other revisions made in Chapter 29.
Response Message: FR-5183-NFPA 72-2022

Public Input No. 29-NFPA 72-2021 [Section No. A.29.11.3.4(3)]

Ballot Results

✔ **This item has passed ballot**

21 Eligible Voters
1 Not Returned
20 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Okun, Jeffrey L.

Affirmative All

Bish, George
Christian, David E.
Cleary, Thomas G.
Dedear, Timothy K.
Gifford, Wendy B.
Gottuk, Daniel T.

Hansen, Greg L.
Jakusz, Matthew
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Olenick, Stephen M.
Parssinen, John L.
Pollack, Roy
Ratzlaff, Larry
Sacco, Eric
Schmidt, Robert A.
Simpson, Richard M.
Wray, Walter W.