Eco Mark Product Category No.139
"Building Products (Equipment) Version1.5" Certification Criteria
Category A-1 Gas-leak alarm

Japan Environment Association
Eco Mark Office

1. Purpose of Establishing Certification Criteria

Omitted

2. Applicable Scope

* Gas-leak alarms for liquefied petroleum gas (LP gas) that are operated electrically and are installed in ordinary household. However, separate-type alarms and central-monitoring-type alarms are excluded in this item.
* Gas-leak alarms for city gas that are operated electrically and are installed in ordinary household. However, separate-type alarms and central-monitoring-type alarms are excluded in this item.

3. Terminology

Omitted

4. Certification Criteria and Certification Procedure

To show conformance to the individual criteria, the Applicant shall submit the respective Attached Certificate forms duly filled in.

In the event re-examination under the present Certification Criteria is sought for a product that is already certified in the Product Category No.62 "Energy-saving Gas-leak Alarms," the procedures to show conformance to the applicable criteria 4-2.(5) may be substituted by filling in necessary items on the Attached Certificate form and declaring further therein that no alterations have been made to the product already certified.

4-1. Environmental Criteria and Certification Procedure

(1) The power consumption of the alarm shall not exceed 1.0 watts in normal operation (monitoring). Provided however that of two- or three-sensor type product that has the functions to detect incomplete combustion gas and fire shall not exceed 1.6 watts in normal operation (monitoring).

[Certification Procedure]
The Applicant shall submit a document (for example, applicable parts of the document for fire equipment inspection, etc.) certifying that the power consumption does not exceed 1.0 watts (1.6 watts in case of two- or three- sensor type product) in normal operation (monitoring).

(2) Foamed resins used in the product shall not have been made by the use of the five specified CFCs listed in the attached Table 1, other CFCs, carbon tetrachloride, trichloroethane or CFC substitutes (HCFC, HFC).

[Certification Procedure]
The Applicant shall state in the Attached Certificate the conformity or not of the product to this criteria.

(3) The product shall not contain in its formulation recipe any mercury, cadmium, hexavalent chromium, compounds thereof, polybrominated biphenyl (PBB), polybrominated dipheyl ether (PBDE), or chlorinated paraffin (with chain carbons of 10 – 13 and the chlorine content of no less than 50%). Provided however that the aforesaid substances may be contained to the extent permitted under the Annex "Applications of lead, mercury, cadmium and hexavalent chromium, which are exempted from the requirements of Article 4(1)" to the EU's Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment ("RoHS") or under the Directive (91/157/EEC) on Batteries and Accumulators Containing Certain Dangerous Substances.

[Certification Procedure]
The Applicant shall submit a document certifying the presence or absence of the regulated substances.

(4) The product shall not use antimicrobial agents as far as possible. In the case of use, the product shall be certified by such as the SIAA Mark of Society of Industrial technology for Antimicrobial Articles or Registration system for the use of antimicrobial performance criteria of Japan Construction Material & Housing Equipment Industries Federation.

. [Certification Procedure]
Compliance (or lack thereof) with this item shall be indicated in the Attached Certificate. In the case of using antimicrobial agents, a copy of a certificate etc shall be submitted.

(5) In manufacturing the applied product, related environmental laws and regulations and pollution control agreement (hereinafter referred to as the "Environmental Laws, etc.") must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous substances in the area where the plant performing the final manufacturing process is located.
In addition, the state of compliance with the Environmental Laws, etc. for the past five years from the date of application (whether there is any violation) must be reported. If there is any violation, proper remedies and preventive measures shall have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]
With respect to the compliance with the Environmental Laws, etc. in the area where the plant performing the final manufacturing process is located, a certificate issued by the representative of the business of manufacturing the applied product or the relevant plant manager (entry or attachment of a list of names of the Environmental Laws, etc.) must be submitted.
In addition, the applicants shall report whether there is any violation in the past five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:
a. With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such documents (clearly indicating a series of communication);
b. Following materials (copies of recording documents, etc.) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5):
1) List of the Environmental Laws, etc. related to the area where the plant is located;
2) Implementation system (organizational chart with roles, etc.);
3) Bylaws stipulating retention of recording documents;
4) Recurrence prevention measures (future preventive measures);
5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

4-2. Quality Criteria and Certification Procedure

(6) Gas-leak alarms for liquefied petroleum gas (LP gas) shall have been found by the standard inspection to conform to the provisions of the "Ministerial Ordinance Concerning Technical Standards, etc. of Liquefied Petroleum Gas.
Gas-leak alarms for city gas shall have passed a test conducted by Japan Gas Appliances Inspection Association.
For the products with detecting function of imperfect combustion, the part for detecting function of imperfect combustion shall have passed a test conducted by The High Pressure Gas Safety Institute of Japan or Japan Gas Appliances Inspection Association. For the product with fire alarm function, the part for fire alarm function shall have passed a test conducted by Japan Fire Equipment Inspection Institute based on the type ministry ordinance and the like.

[Certification Procedure]
With respect to gas-leak alarms for liquefied petroleum gas (LP gas), a document certifying the product's conformance to the provisions of the "Ministerial Ordinance Concerning Technical Standards, etc. of Liquefied Petroleum Gas" shall be submitted.

With respect to gas-leak alarms for city gas, a document certifying that the product has passed a test conducted by Japan Gas Appliances Inspection Association (such as test result, etc).

With respect to the products with detecting function of imperfect combustion, a document certifying that the product has passed a test conducted by The High Pressure Gas Safety Institute of Japan or Japan Gas Appliances Inspection Association (such as test result, etc).

With respect to the product with fire alarm function, a document certifying that the product has passed a test based on the type ministry ordinance and the like (such as test result, etc).

May 5, 2007	Established (Version 1.0):
August 21, 2008	Revised (4-1.(4) Version1.2))
March 15, 2010	Extension of Expiration
March 1, 2011	Revised (5.(2) Version 1.3)
April 1, 2012	Revised (4-1.(2) Attached table; Version1.4)
June 15, 2012	Revised (4-1.(4) Version1.5)
March 15, 2016	Extension of Expiration
April 1, 2019	Revised (Mark indication)
March 1, 2021	Extension of Expiration
December 31, 2027	Expiration period

The Certification Criteria for the Product Category will be revised when necessary.

Attached Table 1 Fluorocarbons prohibited to use during manufacturing resin forms

CFC5s	Trichlorofluoromethane	HCFC	Chlorofluoroethane
	Dichlorodifluoromethane		Hexachlorofluoropropane
	Trichlorotrifluoroethane		Pentachlorodifluoropropane
	Dichlorotetrafluoroethane		Tetrachlorotrifluoropropane
	Chloropentafluoroethane		Trichlorotetrafluoropropane
Other CFCs	Chlorotrifluoromethane		Dichloropentafluoropropane
	Pentachlorofluoromethane		Chlorohexafluoropropane
	Tetrachlorodifluoroethane		Pentachlorofluoropropane
	Heptachlorofluoropropane		Tetrachlorodifluoropropane
	Hexachlorodifluoropropane		Trichlorotrifluoropropane
	Pentachlorotrifluoropropane		Dichlorotetrafluoropropane
	Tetrachlorotetrafluoropropane		Chloropentafluoropropane
	Trichloropentafluoropropane		Tetrachlorofluoropropane
	Dichlorohexafluoropropane		Dichlorofluoropropane
	Chloroheptafluoropropane		Chlorodifluoropropane
	Carbon tetrachloride		Chlorofluoropropane
	1,1,1-Trichloroethane	HFC	Trifluoromethane
HCFC	Dichlorofluoromethane		Difluoromethane
	Chlorodifluoromethane		Fluoromethane
	Chlorofluoromethane		1,1,1,2,2-Pentafluoroethane
	Tetrachlorofluoroethane		1,1,2,2-Tetrafluoroethane
	Trichlorodifluoroethane		1,1,1,2-Tetrafluoroethane
	Dichlorotrifluoroethane		1,1,2-Trifluoroethane
	Chlorotetrafluoroethane		1,1,1-Trifluoroethane
	Trichlorofluoroethane		1,1-Difluoroethane
	Dichlorodifluoroethane		1,1,1,2,3,3,3-Heptafluoropropane
	Chlorotrifluoroethane		1,1,1,3,3,3-Hexafluoropropane
	Dichlorofluoroethane		1,1,2,2,3-Pentafluoropropane
	Chlorodifluoroethane		1,1,1,2,3,4,4,5,5,5-Decafluoropentane