

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12407 (1988): Graphic symbols for fire protection plans
[CED 36: Fire Safety]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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*Indian Standard***GRAPHIC SYMBOLS FOR FIRE PROTECTION PLANS**

1. Scope — Covers symbols to be used on fire protection plans in architectural, engineering, building and allied design fields for the various types of fire fighting equipments.

2. Symbols

2.1 The basic geometrical shape to distinguish each of the following categories have been given in Table 1. A set of supplementary symbol elements has also been specified in Table 2 which when enclosed within the basic shape give its meaning. These supplementary symbols define, for example, where systems or devices are normally dry or contain water, foam, powder or gas or are activated manually or automatically by heat, smoke or flame:

- a) Portable fire extinguishing equipment,
- b) Fixed fire extinguishing system,
- c) Fire means,
- d) Miscellaneous fire fighting equipment,
- e) Control and indicating equipment,
- f) Alarm initiating devices,
- g) Fire warning devices,
- h) Fire venting,
- j) Escape routes, and
- k) Fire and explosions risk zones.

2.2 The devices which do not fall into any of the above categories have been allocated unique symbols in Table 3.

2.3 The examples are given in Table 4.

2.4 The symbols are intended for reproduction on drawings by hand or machine drafting including template or dry transfer methods.

2.5 The meaning of all symbols used shall be defined in a legend in a clear directly understandable form.

2.6 The sizes of the symbols should all be to the same relative scale on any one drawing and relative to the scale of the drawing itself.

TABLE 1 BASIC GEOMETRICAL SHAPES

(Clause 2.1)




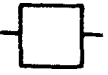
































SI No. (1)	Equipment (2)	Symbol (3)	SI No. (1)	Equipment (2)	Symbol (3)
1.	Portable fire extinguisher		8.	Alarm - initiating device (point type, manual or automatic)	
2.	Wheeled fire extinguisher		9.	Linear detector	
3.	Fixed fire extinguishing system— Total protection of a room		10.	Fire warning device	
4.	Fixed fire extinguishing system— Local application		11.	Natural venting	
5.	Fire main		12.	Pressurization (smoke control)	
6.	Miscellaneous fire-fighting equipment		13.	Special risk area or room	
7.	Control and indicating equipment				





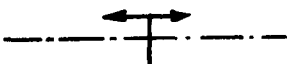

TABLE 2 SUPPLEMENTARY SYMBOL ELEMENTS
(Clause 2.1)

SI No. (1)	Equipment (2)	Symbol (3)	SI No. (1)	Equipment (2)	Symbol (3)
1.	Water		13.	Flame	
2.	Foam or foam solution		14.	Explosive gas (see 23)	
3.	Powder ordinary		15.	Manual actuation	
4.	Metal powder		16.	Bell	
5.	Halon		17.	Sounder	
6.	Carbon dioxide (CO ₂)		18.	Loudspeaker	
7.	Extinguishing gas other than halon or CO ₂ *		19.	Telephone	
8.	Valve		20.	Illuminated signal	
9.	Outlet		21.	Combustible materials	
10.	Inlet		22.	Oxidizing agents	
11.	Heat		23.	Explosive materials	
12.	Smoke				

*To be defined within the plan legend.

TABLE 3 SYMBOLS USED ALONE

(Clause 2.2)

SI No. (1)	Equipment (2)	Symbol (3)	SI No. (1)	Equipment (2)	Symbol (3)
1.	Water bucket		4.	Ground hydrant*	
2.	Sand bucket		5.	Escape route, direction to follow	
3.	Pillar hydrant*		6.	Escape route, final exit	

*The number of bars corresponds to the number of outlets; in the examples the pillar hydrant has two outlets and ground hydrant has one.

TABLE 4 EXAMPLES OF SYMBOLS
(Clause 2.3)

SI No. (1)	Equipment (2)	Symbol (3)	SI No. (1)	Equipment (2)	Symbol (3)
1.	Water portable extinguisher		10.	Hose station, wet standpipe	
2.	Metal powder portable extinguisher		11.	Smoke detector (point type)	
3.	Carbon dioxide portable extinguisher		12.	Gas detector (point type)	
4.	Wheeled BC powder extinguisher		13.	Telephone	
5.	Foam extinguishing system (total protection of the room)		14.	Heat detector (linear type)	
6.	Ordinary powder extinguishing system (total application)		15.	Alarm sounder	
7.	Manual control of a water extinguishing system (total protection of a control)		16.	Manual control of a natural venting device	
8.	Dry riser, inlet without valve		17.	Control and Indicating equipment with audible and illuminated signals	
9.	Wet riser, outlet with valve		18.	Room containing explosive materials	