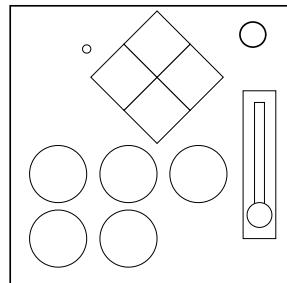


## On the Subject of Safety Square

According to OSHA regulations, all workplaces containing hazardous materials need to be marked using the NFPA-704 standard "Fire Diamond" so emergency personnel can quickly identify possible hazards. Everything about that makes sense except for the fact that it's mounted on a bomb.



- To disarm this module, determine the correct extinguisher and 4 digit color code to be used.

### Fire Identification

- First, Determine the type of fire present by going to the table according to the following conditions.

- If the sum of all the numbers on the square is less than 5, move to section A
- If the sum of all the numbers on the square is 5 or 6, move to section B
- If the sum of all the numbers on the square is more than 6, move to section C

#### Section A

If the red number is equal to 0, a class B fire is present.

Otherwise, If the yellow number is greater than the red, a class A fire is present.

Otherwise, If there is no symbol present on the white square, a class C fire is present.

Otherwise, If there is a lit FRK or IND indicator present, a class D fire is present.

Otherwise, a class K fire is present.

#### Section B

If the blue number is less than 3, a class A fire is present.

Otherwise, If the yellow number is equal to the blue number, a class B fire is present.

Otherwise, If the red number is = to the number of port plates, a class K fire is present.

Otherwise, If there is a lit CAR or BOB indicator present, a class D fire is present.

Otherwise, a class C fire is present.

#### Section C

If there are more than 4 ports, a class C fire is present.

Otherwise, If the sum of the numbers is greater than 9, a class D fire is present.

Otherwise, If the yellow number is equal to 4, a class K fire is present.

Otherwise, If the serial number contains an A, B, C, D, or K, a class A fire is present.

Otherwise, a class B fire is present.

**Correct Exingusher**

After you know the type of fire, use table E to identify which fire extinguishers can possibly be used.

Table E	Class A	Class B	Class C	Class D	Class K
Water	Yes	No	No	No	No
Dry Powder	Yes	Yes	Yes	Yes	No
Foam	Yes	Yes	No	No	No
Wet Chemical	Yes	No	No	No	Yes
C. Dioxide (Co2)	No	Yes	Yes	No	No

Finally, Use the chart below to determine which exinguisher to use over the other possibilities. If you are correct, the module will advance to stage 2. (Remember to include the special rules at the bottom of the page!)(For reference of the buttons representing the extinguishers, see page 4.)

If the serial number contains a vowel	If there is no vowel
-Co2	-Water
-Foam	-Foam
-Water	-Wet Chemical
-Wet Chemical	-Co2
-Dry Powder	-Dry Powder

**Special Rules:**

The white section on the square determines a special rule for the module, see below

Symbol:	W	SA	OX
Meaning:	Reacts with water in an unusual or dangerous manner (Do not use water type extinguishers).	Simple asphyxiant gas (Do not use carbon dioxide type extinguishers).	Oxidizer, allows chemicals to burn without an air supply (Do not use foam type extinguishers).

**Stage Two:**

The square now turns into four colored buttons which need to be pressed in the correct order based on the tables below.

**First Color to Press:**

Previously Pressed Button:	Blue led	Red led	Green led
Water	Red	White	Yellow
Dry Powder	White	Red	Blue
Foam	Yellow	White	Red
Wet Chemical	Blue	Yellow	Red
CO <sub>2</sub>	Yellow	Blue	White

**Second Color:**

If there is an unlit BOB or IND indicator present, the second color is white.

Otherwise, if there are four or more batteries present, the second color is yellow.

Otherwise, if there is a DVI-D or RJ-45 port, the second color is red.

Otherwise, the second color is blue.

**Third and Fourth Colors**

First color:	Second color was red	Second color was yellow	Second color was white	Second color was blue
Red	Red Red	White White	Yellow Red	Blue White
White	Blue Yellow	Red White	White Yellow	Yellow Yellow
Blue	Yellow Blue	White Red	Red Yellow	Blue Red
Yellow	White Blue	Yellow White	Blue Blue	Red Blue

## Fire Exingusher Button Color

### References:

- The water exingusher is colored red.
- The dry powder exingusher is colored blue.
- The foam exingusher is colored cream.
- The wet chemical exingusher is colored yellow.
- The co2 exingusher is colored black.

*Note: this manual for module version 1.1, if you are having issues with the module, the manual may not be updated on the repository yet. You can instead use the pdf included in the mod build or check <https://github.com/Magejd/KtaneSafetySquare> for the source.*

