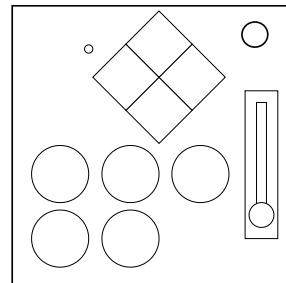


On the Subject of Safety Square

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 Extinguisher

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 (CO ₂) | No | Yes | Yes | No | No |

Finally, use the chart below to determine which extinguisher 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 |
|---------------------------------------|----------------------|
| -CO ₂ | -Water |
| -Foam | -Foam |
| -Water | -Wet Chemical |
| -Wet Chemical | -CO ₂ |
| -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 ₂ | 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.

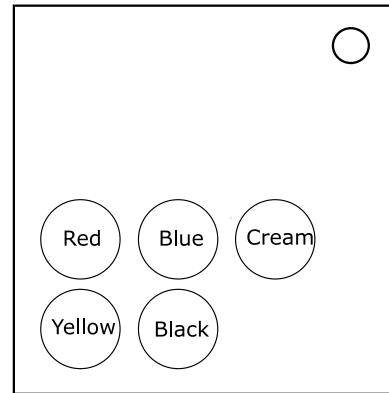
Third and Fourth Colors:

| 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 Extinguisher Button Color

References:

- The water extinguisher is colored red.
- The dry powder extinguisher is colored blue.
- The foam extinguisher is colored cream.
- The wet chemical extinguisher is colored yellow.
- The CO₂ extinguisher is colored black.



Note: this manual is 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.