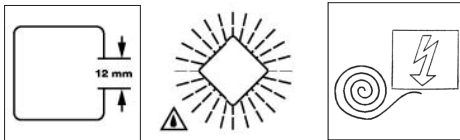
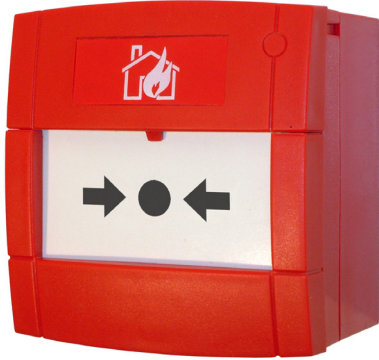


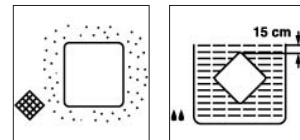
# Ingress Protection Ratings



## > KAC Call Point IP Ratings



MCP range : IP24D



WCP range: IP67

## IP Code Overview

The IP (Ingress Protection) rating relates to a product housing and the level of protection it provides to any item it encloses. In relation to manual call points, this is the level of protection the call point housing provides its PCB (printed circuit board) and microswitch. The rating can consist of 2 or 3 digits prefixed by IP. The higher the digit, the higher the ability the housing will have to prevent ingress (please see further details overleaf).

The 3 digits represent different environmental effects as follows: -

1st digit = level of protection against ingress of solid objects.

2nd digit = level of protection against ingress of liquids.

3rd digit = level of protection against mechanical impact damage.

These 3 digits are not always used, resulting in some enclosures being rated for ingress to solids and liquids only.

In relation to our call point range, our MCP indoor call point is rated IP24D, making it suitable for the majority of commercial indoor applications.

Our WCP outdoor call point has an impressive IP67 rating making it totally protective to dust and the ability to immerse it in water up to 1m for 30mins. The result is a highly robust product that can be installed in many industrial applications and also provides a true waterproof solution for call points that have to be installed outdoors.



**KAC**

IP1  
Rev. No. 1

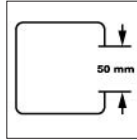
## International Protection Codes

### Protection Against Solid Objects First Digit

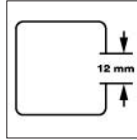
0. No Protection.



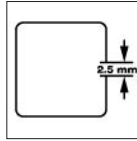
1. Protected against solid objects over 50mm, e.g. accidental touch by hands.



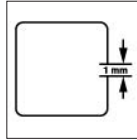
2. Protected against solid objects over 12mm, e.g. fingers.



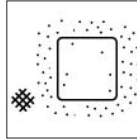
3. Protected against solid objects over 2.5mm, e.g. tools and wires.



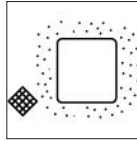
4. Protected against solid objects over 1.0mm, e.g. tools and small wires.



5. Protected against dust - limited ingress (no harmful deposits).

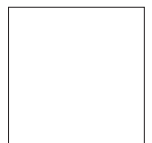


6. Totally protected against dust.

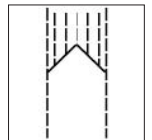


### Protection Against Liquids Second Digit

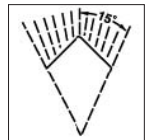
0. No Protection.



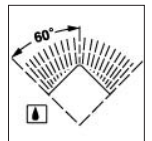
1. Protected against vertically falling drops of water, e.g. condensation.



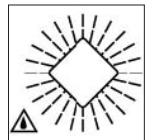
2. Protected against direct sprays of water up to 15° from the vertical.



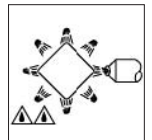
3. Protected against sprays of water up to 60° from the vertical.



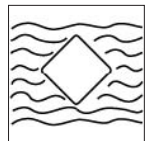
4. Protected against water sprayed from all directions - limited ingress.



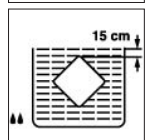
5. Protected against low pressure jets of water from all directions - limited ingress permitted.



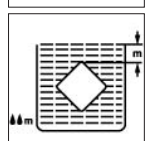
6. Protected against strong jets of water, e.g. for use on ship decks.



7. Protected against the effect of immersion between 15cm and 1.0m.



8. Protected against long periods of immersion under pressure.

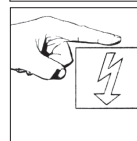


### Protection Against Mechanical Impact Additional letter

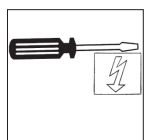
A. Protection against access with the back of a hand.



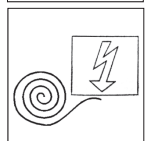
B. Protection against access with a finger.



C. Protection against access with a tool of 2.5mm or larger and up to 100mm long.



D. Protection against access of a Wire of 1mm dia or larger and up to 100mm long.



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**KAC**

For additional Information on IP ratings : -  
BRITISH STANDARD BS EN 60529 : 1992  
Degrees of protection provided by enclosures.