## Explanation of IP Ratings.

For example IP 67 would be: Totally protected against ingress of dust & protected against the effects of immersion between 15cm and 1m.

## **First Numeral**

## **Second Numeral**

Protection against ingress of solid foreign objects.

Protection against harmful ingress of water

ΙP	Requirements	Example	IР	Requirements	Example
0	No protection	4	0	No protection	Į.
1	Full penetration of 50mm diameter sphere not allowed	ate dous	1	Protected against vertically falling drops of water. Limited ingress permitted.	<b>F</b>
	and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted.		2	Protected against vertically falling drops of water with enclosure tilted 15° from the vertical. Limited ingress permitted.	\ <b>\\\</b>
2	Full penetration of 12.5mm diameter sphere not allowed. The jointed finger shall	12.5	3	Protected against sprays to 60° from the vertical - limited ingress permitted.	
	have adequate clearance from hazardous parts.		4	Protected against water splashed from all directions	
3	The access probe of 2.5mm diameter	- <b>[</b>		limited ingress permitted.  Protected against low-	740
4	shall not penetrate.  The access probe of 1.0mm diameter shall not penetrate.		5	pressure jets of water from all directions - limited ingress permitted.	× Å
5	Limited ingress of dust permitted (no harmful deposit).		6	Protected against strong jets of water.	) <u>į</u> (
6	Totally protected against ingress of dust.	T.	7	Protected against the effects of immersion between 15cm and 1m.	15cm min )
			8	Protected against longer periods of immersion under pressure.	[ ]