



## Masterseal

The award winning Masterseal range has been specifically designed for use in outdoors or indoors and in areas heavily exposed to dust and splashing water. In the garden, workshop, industry, or farms, there are situations where a supply of electricity, although potentially dangerous is essential.

Scientifically sealed to IP56 and tested by MK well in excess of British standards, it will protect you and your electric supply in the unfriendliest of environment.

To demonstrate you how safe really is the IP56 rating, the attached table gives a clear illustration.



### Masterseal Spec Sheet

Supply, installation, testing and commissioning of a weatherproof range wiring devices. The product shall be rated IP56 or higher conforming to IEE wiring regulations BS7671. It should be able to withstand discoloration due to UV light and chemicals.















The switches shall be directly operatable, conform to the standard BS EN60669:2000 and come with a neon indicator.

The sockets shall conform to standard IS1293:88.

The photoelectric switch should comply to BS EN.50081-1 BS EN.50082-1 and IP56 to IEC 60669-2-1 BS EN.60529:1992.

The range shall also have the option of having RJ11, RJ45 modules to be Ip56.

## IP56 - Ingress Protection

First Digit (Protection against solid objects)	Definition	Second Digit (Protection against liquids)	Definition
0	No protection	0	No protection
1	 Protected against solids objects over 50mm (e.g. accidental touch by hands)	1	 Protected against vertically falling drops of water
2	 Protected against solids objects over 12mm (e.g. fingers)	2	 Protected against direct sprays up to 15° from the vertical
3	 Protected against solids objects over 2.5mm (e.g. tools and wires)	3	 Protected against direct sprays up to 60° from the vertical
4	 Protected against solids objects over 1mm (e.g. tools, wires and small wires)	4	 Protected against sprays from all directions - limited ingress permitted
5	 Protected against dust - limited ingress (no harmful deposit)	5	 Protected against low pressure jets if water from all directions - limited ingress permitted
6	 Totally protected against dust	6	 Protected against strong jets of water e.g. for use on shipdecks - limited ingress permitted
		7	 Protected against the effects of temporary immersion between 15cm and 1m. Duration of test 30 minutes
		8	 Protected against long periods of immersion under pressure

### About IP Rating:

The IP rating system provides a means of classifying the degrees of protection from solid objects and liquids afforded by electrical equipment and enclosures. The system is recognized in most European countries and is set out in a number of British and European standards. These include: Classification of Degrees of Protection Provided by Enclosures, BS (British Standards) 5490:1977; IEC (International Electrotechnical Commission) 529:1976.

