Environmental Ratings for Enclosures Based on Ingress Protection (IP) Code Designations

First Numeral	Degrees of protection against access to hazardous parts Degrees of protection against solid foreign objects	Second numeral	Degrees of protection against water
0	Non-protected	0	Non-protected
1	Protected against access to hazardous parts with the back of a hand Protected against solid foreign objects of 50mm and greater	1	Protected against vertically falling water drops
2	Protected against access to hazardous parts with a finger Protected against solid foreign objects of 12.5mm and greater	3	Protected against spraying water
3	Protected against access to hazardous parts with a tool Protected against solid foreign objects of 2.5mm and greater	3	Protected against spraying water
4	Protected against access to hazardous parts with a wire Protected against solid foreign objects of 1.0mm and greater	4	Protected against splashing water
5	Protected against access to hazardous parts with a wire Dust-protected	5	Protected against water jets
6	Protected against access to hazardous parts with a wire Dust-tight	6	Protected against powerful water jets
		7	Protected against the effects of temporary immersion in water
		8	Protected against the effects of continuous immersion in water
		9	Protected against the effects of water with high pressure

NOTE: UL can provide testing and certification services to verify and document conformity of products for any of the above Enclosure “IP Codes.”