

Remote Radio Control

M880 ATEX Radio Control for Hazardous Environments



Application

We can supply ATEX certified remote control systems for use in potentially hazardous working environments. Details of the units available, together with the relevant ATEX approval levels are shown below. If you need any further information, please do not hesitate to contact us on +44 (0)1298 813883 or email sales@simbal.net



ATEX Certified Transmitting Units

II 3GD Ex nA IIB T6 X Ex tD A22 IP65 T85 X

Classification	II	Group II	Comprises equipment for use in environments where there is a likelihood that of explosive atmospheres. Not for underground use.
	3	Normal level protection	Normal level of protection, explosive atmospheres unlikely to occur and if they do, do so infrequently and for a short period of time.
	GD	Protection system for gas and dust potentially explosive	Equipment remains energised and functioning in Zone 2 (G) and/or zone 22 (D). *See classification below.
Explosive protection against GAS	nA	Type of casing	Device constructed to minimise the risk of occurrence of arcs or sparks capable of creating an ignition hazard during conditions of normal operation
	IIB	Groups of gas	All gas of Group A and B
	T6	Maximum surface temperature	85°
	X	Special condition of use	Enclosure built for environments with low risk of fracture mechanics (clause 26.4.2 EN 60079-0)
Explosive protection against DUST	tD	Type of casing	Type of protection for explosive dust atmosphere where electrical apparatus is provided with an enclosure providing dust ingress protection
	A22	Groups of dust	Must not be used in areas with exhibit conductive dust
	IP 65	Protection degree	Totally protected against dust and protected against spray of water
	T85°	Maximum surface temperature	85°
	X	Special condition of use	Service temperature from -5°C - +60°C (Clause 5.1.1 EN 60079-0)

ATEX Certified Receiving Units

II 2GD Ex d IIB+H2 T6 EX tD A21 IP66 T85°

Classification	II	Group II	Comprises equipment intended for use in other places likely to become endangered by explosive atmospheres. Not for underground use.
	2	Category: 2 High level of protection	Comprises products designed to be capable of remaining within their operational parameters, stated by the manufacturer, and based on a high level of protection for their intended use in area which explosive atmospheres caused by mixtures of air and gases, vapours, mists or air/dust mixtures are likely to occur.
	GD	System of protection for gas or dust. Potentially explosive	Equipment remains energised and functioning in Zones 1, 2 (G) and/or 21.22 (D)
Explosive protection against GAS	EX	/	/
	d	Housing type	Explosion proof housing.
	IIB+H2	Gas group	All gas of Group B + Hydrogen Group C
	T6	Maximum surface temperature	85°
Explosive protection against DUST	EX	/	/
	tD	Housing type	Explosion proof housing
	A21	Dust group	/
	IP 66	Protection degree	Totally protected against dust and high pressure water jet.
	T85°	Maximum surface temperature	85°

The receiver encapsulating enclosure can contain any of the standard type 'L', 'H' or 'M' receiver units.

