

RIODET

PERMISSIBLE

Permissible RIODET are electric detonators, suitable for use in potentially explosive atmospheres.

Permissible RIODET are provided in three delay period series, Instant (Z), Micro delay (M) and Long Period delay (D):

Permissible RIODET Micro delay are provided in 18 delay periods providing flexibility in short period blast designs.

Permissible RIODET Long Period delays are provided in 12 delay periods providing flexibility in long period blast designs.

The wide range of accurate delay times allows for a wider variety of blast design possibilities and assures better breakage, fragmentation and reduced vibration.

Permissible RIODET is ideal for environments that are susceptible to explosive air ignition such as underground coal mining and is offered in three sensitivities, depending on specific conditions: **S – Sensitive, I – Insensitive, and H – Highly Insensitive.**

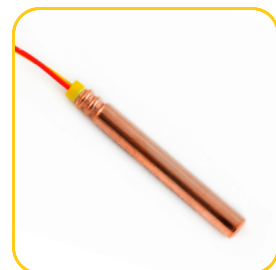
Permissible RIODET are rigorously tested with 100m water column pressure for 48 hours, making the RIODET series optimal for difficult conditions.

Advantages

- Safe, reliable and user friendly.
- Permissible for underground coal mining applications.
- Accurate delay timing.
- Highly visible delay tags.
- Water resistant.
- #8 strength detonator ensures reliable initiation of all cap-sensitive explosives.
- High pressure resistance.



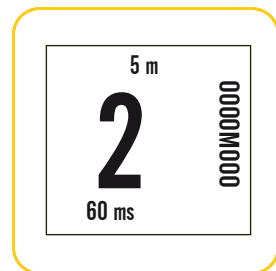
1. Colour coded wire for high visibility underground and easy identification of delay series.



2. #8 strength copper shell detonator fitted with a double crimp.



3. The fastening band is easy to break manually in order to achieve a quicker loading operation.



4. Water resistant label which includes Delay Period, Timing, Length and Lot Number.

Delay Times (Nominal values)

Micro Delay (30ms) Series

Nº	Time (ms)
0	-
1	30
2	60
3	90
4	120
5	150
6	180
7	210
8	240
9	270
10	300
11	330
12	360
13	390
14	420
15	450
16	480
17	510
18	540

Long Period Delay Series

Nº	Time (ms)
0	-
1	500
2	1.000
3	1.500
4	2.000
5	2.500
6	3.000
7	3.500
8	4.000
9	4.500
10	5.000
11	5.500
12	6.000

Electrical Characteristics (Nominal values)

	Type S	Type I	Type H
Bridge Resistance (ohms)	1,2-1,6	0,3-0,5	0,03-0,05
Firing pulse (mW.s/ohm)	0,8-3	8-16	1.100-2.500
Safety Current A	0,20	0,45	4
Recommended trigger current (in series A)	1,2	2,5	25

Standard Packaging, Class 1.1B (Nominal values)

Length (m)	Units per Box	Net Weight (kg)	Gross Weight (kg)	Application
3	500	17	19	For use in potentially explosive atmospheres.
5	250	12	14	
7	250	18	20	
10	250	22	24	

Colour Code

	Type S	Type I	Type H
Instant	Red/white	Pink/White	Green/White
Long Period Delay	Red/Blue	Pink/Blue	Green/Blue
Micro Delay (30ms)	Red/Yellow	Pink/Yellow	Green/Yellow



Transport Classification	Standard Packaging	Special Packaging	
Class	1.1B	1.4B	1.4S
UN Number	UN 0030	UN 0255	UN 0456

Contact your local MAXAM representative for further information.

SAFETY WARNING

Read the Instructions Safety Sheet and the Material Safety Data Sheet provided carefully before using RIODET. MAXAM strongly recommends not to use RIODET products with detonators and/or initiation systems supplied by other manufacturers in the same blast and declines all liability in these cases.

RIODET detonators must be stored at moderate temperatures in a dry and well ventilated place.

LEGAL WARNING AND EXCLUSION OF LIABILITY

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