

Electric Detonator



The Riodet® electric detonator features unequalled timing accuracy (less than a 1 in 10.000 probability of overlap).

We offer two types of Riodet® sensitivity performance:

Type I series detonators require higher firing impulse and safety current.

Type AI detonators are designed to be used where risk of accidental ignition currents could appear.

Both types are available in MS and LP series. The units are easy to deploy, feature an easy to remove shunt cover and have easy to read delay tags printed with both period number and delay time. The period number is also stamped on the aluminum cap shell.

Characteristics

Number 8 Output Strength
PVC or PE Wire Cover
Rugged
Reliable

Packaging					
Length (m)	Length (ft)	Units/Case	Wire Size (mm)	Coil Type	Net Weight (kg)
4	12	500	0.6	Figure 8	21
5	16	500	0.6	Figure 8	24
6.5	20	250	0.6	Figure 8	16
7.5	24	250	0.6	Figure 8	18
9.5	30	250	0.6	Figure 8	22
12.5	40	150	0.72	Figure 8	24
15.5	50	100	0.72	Figure 8	19
18.5	60	100	0.72	Figure 8	23
26	85	60	0.72	Spool**	22
30.5	100	60	0.72	Spool**	23
37	120	60	0.72	Spool**	28
46	150	40	0.72	Spool**	23

*Other lengths by order. **Duplex wire

Type	Bridge Resistance (Ohms)	Firing Impulse (mW.s/ohm)	Safety Current (A)	Recommended Firing Current (in series)	Instant Wire Color	1/2 Second Wire Color	25 ms Wire Color
I	0.3 - 0.5	8-16	0.45	2.5	Pink/White	Pink/Blue	Pink/Yellow
AI	0.03 - 0.05	1.100 - 2.500	4	25	Green/White	Green/Blue	Green/Yellow

Wire Size	Approx. AWG equiv.	Resistance (ohms/m)
.60 mm	23 gauge	0.060
.72 mm	21 gauge	0.042

Delay Times			
Millisecond Series		Long Period Series	
Period No.	Time (ms)	Period No.	Time (s)
0	Inst.	0	Inst.
1	25	1	0.25
2	50	2	0.50
3	75	3	0.75
4	100	4	1.00
5	125	5	1.50
6	150	6	2.00
7	175	7	2.50
8	200	8	3.00
9	225	9	3.50
10	250	10	4.00
11	275	11	4.50
12	300	12	5.00
13	325	13	5.50
14	350	14	6.00
15	375	15	6.60
16	400	16	7.00
17	425	17	7.50
18	450	18	8.00
19	475		
20	500		
22	550		
24	600		
26	650		
28	700		
30	750		

Hazardous Material Classification

Detonator Assemblies, Non-Electric
Class 1.1B

Transportation as Class 1.4S available
UN 0030

Exclusion of Responsibility

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For further information about RIODET® electric detonators or any of Maxam North America's products and services please contact your sales representative or the plant/office listed below.



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