

### APPLICATION

Electronic detonator to initiate commercial explosives.

### CONDITIONS FOR USAGE

Only to be operated by DAVEYTRONIC® digital blasting system. Not to be used in mines with hazards of dust particulate or fire damp explosion.

### CONDITIONS FOR OPERATING

Temperature range : -20°C to +45°C / -4 to +113°F  
 Watertightness : 13 bars / 7 days  
 Dynamic shock resistance : 1050 bars (15000 PSI)

### DETONATOR

Delay times : from 0 ms to 14000 ms  
 Accuracy : +/- 0.02%  
 Wire length : 6m, 10m, 15m, 20m, 25m, 30m, 35m, 40m, 60m, 80m.  
 Other wire lengths : please contact us

### ELECTROSTATIC DISCHARGE RESISTANCE

Compliant to EN 13763-1 (class II): 30kV / 3500 pF

### RADIO FREQUENCY RESISTANCE

Compliant to EN 13763-27  
 Immunity to electromagnetic radiation with field strength of 30 V/m for bandwidth of 80 to 1000 MHz and 1 to 2 GHz.  
 Immunity to conducted disturbance with 30V from 0.15 to 80 MHz

### INITIATION SYSTEM

Identification number (FR) : EMF 07MA4001  
 Max number of detonators : 1500 / Blasting machine  
 Bus line max length : up to 3000 m  
 Wireless max range 2.4 GHz : 2.4 km (1.5 miles)  
 Wireless max range 900 MHz : 5 km (3 miles)  
*WLAN & leaky feeder interface also available*

### DETONATOR CONSTRUCTION

Material : Aluminium alloy  
 Output : #8 cap strength  
 Base charge : PETN 800 mg  
 Initiating charge : Lead Azide 200 mg

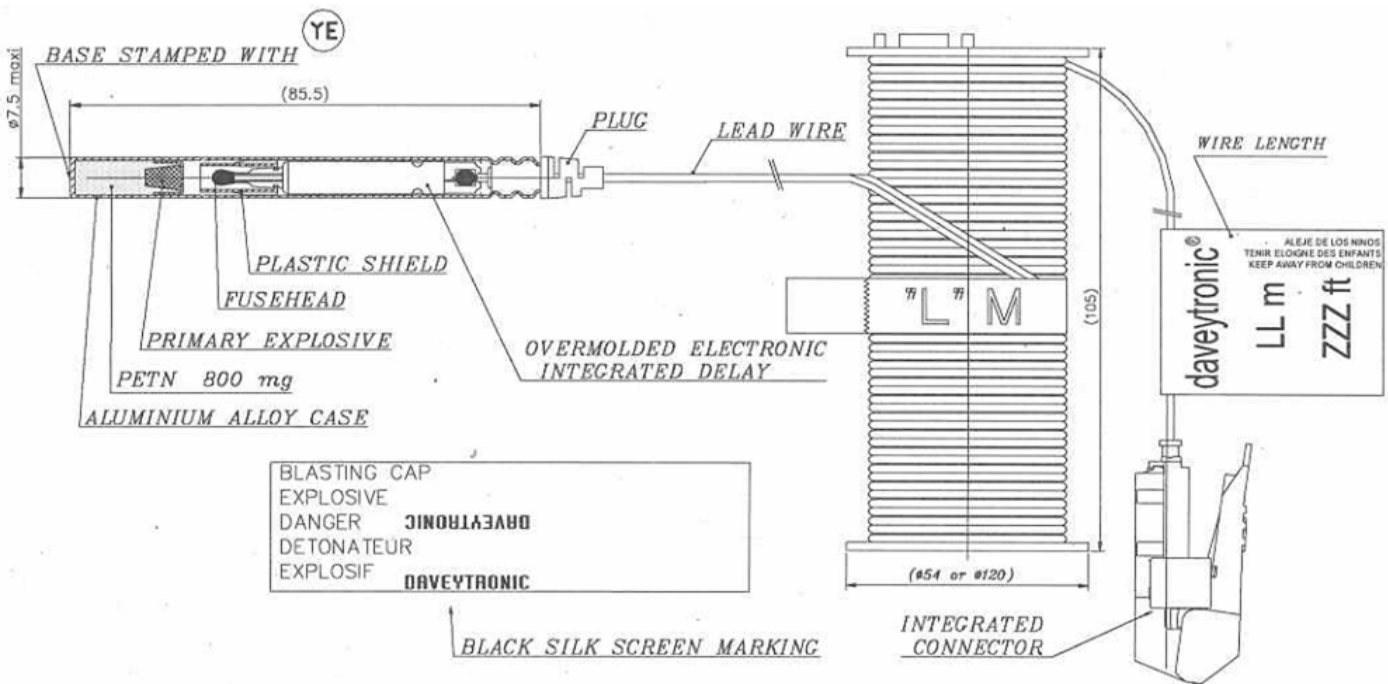
### LEAD WIRE

Material : steel  
 Diameter steel wire : 0.3 mm  
 Insulation diameter : 1.5 mm  
 Insulation : HDPE orange  
 Tensile strength : 320 N (72 lbs)  
 Abrasion resistance : compliant to EN13763-4(class II)

### CONNECTOR

Material : Polypropylene (PP)  
 Insulation : Silicone electrical insulating gel  
 Terminals : steel hardened and tined

*To be used only with M35 bus wire*



## CONDITIONS FOR STORAGE & TRANSPORT

Temperature range : -40°C to +70°C / -40 to +158°F  
 Shelf life : 2 years, renewable

## CE TYPE AND TRANSPORT CLASSIFICATION

CE type test number : 0080.EXP.98.0013 C3  
 Transport classification : 1.4S  
 UN-number : 0456

## PACKAGING

Wire Length	Quantity/case	Case size	Gross Weight		Net weight	
			kg	lbs	kg	lbs
	<b>Pieces</b>	<b>mm</b>				
<b>20 ft / 6 m</b>	80	445 x 230 x 300	6.5	14.3	3.1	6.8
<b>33 ft / 10 m</b>	80	445 x 230 x 300	7.5	16.6	4.1	9.0
<b>49 ft / 15 m</b>	72	445 x 230 x 300	8.0	17.6	4.6	10.1
<b>65 ft / 20 m</b>	72	445 x 230 x 300	9.5	20.9	6.1	13.4
<b>82 ft / 25 m</b>	72	445 x 230 x 300	11.0	24.3	7.6	16.7
<b>98 ft / 30 m</b>	64	445 x 230 x 300	11.0	24.3	7.6	16.7
<b>115 ft / 35 m</b>	56	445 x 230 x 300	11.0	24.3	7.6	16.7
<b>131 ft / 40 m</b>	56	445 x 230 x 300	12.0	26.5	8.6	18.9
<b>197 ft / 60 m</b>	16	445 x 230 x 300	7.0	15.4	4.18	9.2
<b>262 ft / 80 m</b>	16	445 x 230 x 300	8.5	18.7	5.68	12.5

1 ft = 30.48 cm / 1 lb = 0.4536 kg

high-tech **initiation** company



The indications and recommendations contained in this document are based on manufacturer's research and tests to this date. The manufacturer cannot anticipate all of the possible applications for its products. Therefore, the products described hereby are sold under the only warranty to be in conformity with the specifications stated in this document and to be in compliance with the agreements granted by the French Ministry of Industry.

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