

PRODUCT FAMILY

ELECTRONIC TIME DELAY

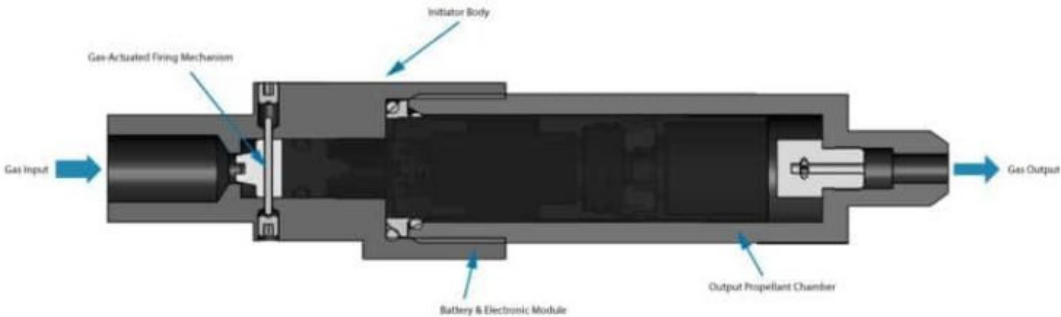
Time delays are used to provide a controlled delay time in aircrew escape and launch vehicle payload deployment systems. Current systems rely on pyrotechnic time delays to achieve precise delays from initiation to output. Our time delay initiators consist of a hermetically sealed pyrotechnic cartridge which incorporates a Small Column Insulated Delay (SCID) element to perform the delay function. The initiator housing/assembly provides system interfaces for input and output devices in the sequencing system. The delays are typically initiated by standard detonating tips, deflagrating lines or hot gas output.

APPLICABLE SPECIFICATIONS

- Input Stimulus:
- Output:
- Operating Temperature Range:
- Detonating, deflagrating or gas pressure
- Detonating, deflagrating or gas output
- Deflagrating/gas output – tailored peak output pressure in 10cc closed bomb
- Detonation – minimum 0.010-in. (0.254-mm) increase in diameter of witness cap
- 65 OF (-54 OC) to +225 OF (+107 OC)

SHOCK

Frequency (HZ)	Spectrum Level (Q = 10)
100	180G
160 - 800	570G
4200 - 10000	2200G



ENVELOPE & DIMENSIONS