

# RF-Safe Slickline Perforating

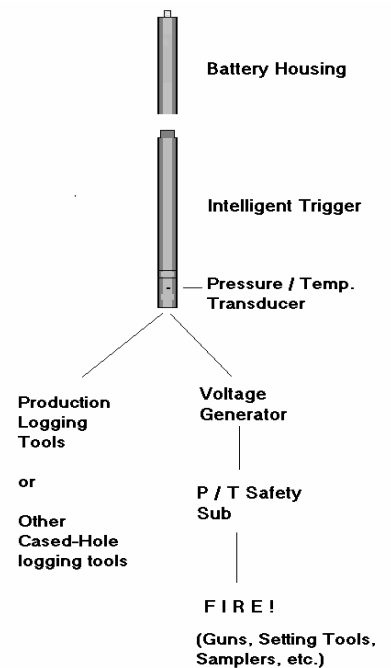
Over the years the perforating industry has seen a variety of changes. After the introduction of resisotized detonators and RF-Safe detonating systems the market of perforating and running pipe recovery operations using slickline has increased.

Various companies have come up with methods for slickline perforating and pipe recovery operations. Now DYNAenergetics is proud to introduce the Slickline Trigger DYNAWELL which can be used in conjunction with all DYNAenergetics RF-Safe initiators.

The Slickline Trigger is a multifunctional tool, which allows deployment of memory production logging tools or initiating devices.

Designed as a modular System the basic module consists of a battery housing, the intelligent trigger and the voltage generator sub. By itself the trigger can record temperature, pressure and accelerometer signals. An additional mechanical pressure and temperature switching sub is available.

We are confident that the Slickline Trigger meets the highest possible safety standards. There are the following different barriers that must be overcome to allow the voltage generator sub to address the RF-Safe initiating device. If one of the conditions is not met, then the device will fail safe.



Time	Initial "dead" period during which nothing happens
Pressure	Mechanical pressure switch (optional)
Temperature	Mechanical temperature switch (optional)
Time	The tool "wakes up" and starts monitoring all sensors
Pressure	A pre-programmed pressure window in which the tool must remain
Temperature	A pre-programmed temperature window in which the tool must remain
Accelerometer	A pre-programmed sequence of signals must be received
Pressure	A pre-programmed series of pulses must be detected
Time	A delay period from receipt of the last required signal to initiation
Time	An all no-go time out after which the system returns to safe mode

An optional perforating shock absorber provides added protection to the tool string.

- Set plugs, perforate and run pipe recovery tools on slickline
- Work with RF-Safe initiating systems
- Profit from multiple safety barriers

**WARNING: UNPROFESSIONAL USE OF EXPLOSIVES BY UNTRAINED OR INEXPERIENCED PEOPLE MAY KILL OR INJURE.**