

# TRU-PERF™

## ADDRESSABLE SWITCH

Field-proven Tru-Perf addressable switches are trusted by wireline plug-and-perf operators across the US. With more than 3.5 million successful deployments to date since 2015, these RF-safe switches deliver surefire connections downhole. Our large-scale operations ensure a reliable, ready-to-ship supply – and our knowledgeable staff is always ready to help.

### PLUG

For easy identification and to help prevent confusion while arming, all plug switches are addressed DDDE and designed with a uniquely colored igniter wire and white protective wrap.



### PERF

Our perforating switches are labeled with more than 65,000 different addresses to prevent duplicates downhole.



### TRU-PERF SWITCHES AT A GLANCE

- Small footprint to fit a variety of gun systems
- Rated to 347°F
- Operates on Warrior system with modified shooting panel, using UniFire software<sup>1</sup>
- Suitable for multiple runs in ballistic release tools (perf switch only)
- Switch circuitry is designed for multiple fires (when protected from blast forces and fluid incursion)

<sup>1</sup>Warrior and UniFire are trademarks of Scientific Data Systems, Inc.

## TRU-PERF™ ADDRESSABLE SWITCH



Tru-Perf addressable switches enable the surface data-acquisition system to communicate via wireline with downhole perforating equipment. Our fit-for-purpose switch/detonator assembly design is certified RF safe, stray-voltage safe, and electronic-static discharge (ESD) safe.<sup>2</sup>

### FEATURES

- Real-time confirmation of gun or plug status throughout the downhole descent
- Electronic component redundancies to safeguard against misfire
- Ability to bypass a misfired gun instead of having to pull out of the hole
- Surface testable with Tru-Perf surface box
- API RP-67 compliant

### SPECIFICATIONS

Dimensions (L, W, H)	2.4 in., 0.8 in., 0.4 in.
Operating Temperature	-20 to 347°F
Non-Powered Temperature	-58 to 392°F
Operating Voltage Range	-20 to -600 VDC
Maximum Reverse Voltage	600V
Firing Current	1 A Nominal, 1.5 A Maximum
Standby Current	0.5 mA
Resistance – Detonators and Igniters	50 Ω or Higher

<sup>2</sup> Tested per MIL-DTL-23659E, third-party certified