

# TRU-PERF™ ADDRESSABLE SWITCH



## Description

The Tru-Perf addressable switch contains a microprocessor that allows the surface data acquisition system to communicate with the perforating equipment via the wireline. This device has two independent electronic switches that are controlled from the surface data acquisition system. The Tru-Perf addressable switch detonator combination has been certified as RF safe, stray voltage safe, and electronic-static discharge (ESD) safe. Requires Warrior 8 and modified shooting panel.

## Benefits

- Allows the status of guns or plugs to be checked while running in hole.
- Added safety features help prevent accidental fire.
- Ability to skip a gun if it misfires instead of having to come out of the hole.
- Surface testable with Tru-Perf™ Surface Box.
- API RP-67 compliant.

## Specifications

<b>Dimensions</b>	Length: 2.4" Width: 0.8" Height: 0.4"
<b>Operating Temperature</b>	-20 to 347°F (-29 to 175°C)
<b>Non-Powered Temperature</b>	-58 to 392°F (-50 to 200°C)
<b>Operating Voltage Range</b>	-20VDC to -600VDC
<b>Maximum Voltage/Transient Voltage Forward/Reverse</b>	600V
<b>Maximum Firing Current Forward (Nominal) Forward (Maximum)</b>	1A 1.5A
<b>Operating Current - Standby</b>	0.5mA
<b>Communication Current</b>	20mA Surface 20mA Downhole
<b>Detonators - Hot Wire/Igniters - Setting Tools</b>	50Ω or Higher
<b>Stray Voltage Safe</b>	400V
<b>Radio Frequency Safe Board</b>	1 MHz – 1000 MHz ESD
<b>ESD Safety Rating</b>	Safe to 25000V*
* ESD safety rating in accordance with MIL-DTL-23659 E, paragraph 4.4.3.2	

# TRU-PERF™ ADDRESSABLE PLUG SWITCH



## Description

The Tru-Perf™ addressable plug switch is a variation of the Tru-Perf™ addressable switch design for use with an ignitor. The Red and Blue wires have been removed and the FIRE wire has been changed to a Green wire with black striping. This wiring change reduces confusion by field personal when placing two Tru-Perf™ switches in a single sub. The Tru-Perf™ addressable switch has been certified as RF safe, stray voltage safe, and electronic-static discharge (ESD) safe. Requires Warrior 8 and modified shooting panel.

## Benefits

- Allows the status of guns or plugs to be checked while running in hole
- Added safety features help prevent accidental fire
- Ability to skip a gun if it misfires instead of having to come out of the hole
- Surface testable with Tru-Perf™ Surface Box
- API RP-67 compliant

## Specifications

<b>Dimensions</b>	Length: 2.4" Width: 0.8" Height: 0.4"
<b>Operating Temperature</b>	-20 to 347°F (-29 to 175°C)
<b>Non-Powered Temperature</b>	-58 to 392°F (-50 to 200°C)
<b>Operating Voltage Range</b>	-20VDC to -600VDC
<b>Maximum Voltage/Transient Voltage Forward/Reverse</b>	600V
<b>Maximum Firing Current Forward (Nominal) Forward (Maximum)</b>	1A 1.5A
<b>Operating Current - Standby</b>	0.5mA
<b>Communication Current</b>	20mA Surface 20mA Downhole
<b>Detonators - Hot Wire/Igniters - Setting Tools</b>	50Ω or Higher
<b>Stray Voltage Safe</b>	400V
<b>Radio Frequency Safe Board</b>	1 MHz – 1000 MHz ESD
<b>ESD Safety Rating</b>	Safe to 25000V*
* ESD safety rating in accordance with MIL-DTL-23659 E, paragraph 4.4.3.2	