



Your local dealer is:

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DTI Guardian Safety System

with
"Intel-a-Valve Technology"™

DIESEL ENGINE EMERGENCY SHUTDOWN SYSTEM



Easy As . . .

1. **Order**
 - Customer service
 - All parts in kit (no additional cables/hoses, etc.)
2. **Installation**
 - Minimal installation time
 - Plug & play
 - Tech support
3. **Test**
 - Test valve close
 - Push button to open



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How does it work?

Diesel engines operate through a compression ignition system, so when hydrocarbons are introduced into the immediate atmosphere, the engine can enter a runaway state, sustaining combustion with an external fuel source. A diesel engine in a runaway state almost always results in catastrophic failure or explosion.

The solution for preventing a runaway state is the **Guardian Safety System** equipped with **"Intel-a-Valve-Technology™"** from **Diesel Tech Industries**. The DTI Guardian Safety System is the only true remote air intake shut-off system available on the market today. The DTI Guardian Safety System continually monitors the RPM of the engine, and if it reaches a specified threshold, it will automatically shut-off the air supply to the engine.

All of DTI's Guardian Safety Systems complies and exceed the government regulations which requires all diesel engines which operate on or near Oil and Gas related sites, to be equipped with an adequate air intake shut-off valve.

Guaranteed Reliability

The DTI Guardian Safety System is easy to install and is lab tested up to 80,000 cycles without failure. After starting in 2006 in the industry, with full trust behind our products and services, we proudly offer a 1-Year (Basic) and 2-Year (Pro & Elite) parts and labour warranties on our systems.

DTI KIT

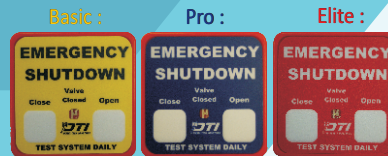


DTI Guardian Safety System

Features	Other Valve Companies	DTI Guardian System		
		BASIC	PRO	ELITE
Air Intake Valve Shutoff	✓	✓	✓	✓
Open/Close from Inside Cab		✓	✓	✓
RPM Shutdown	✓	✓	✓	✓
RPM Test		✓	✓	✓
PTO Shutdown Mode		✓	✓	✓
Pull to Ground	✓	✓	✓	✓
Event Logging & Autocycling		✓	✓	✓
Smartphone/Tablet/Laptop Monitoring via Bluetooth		✓	✓	✓
Rollover Protection		✓	✓	✓
Handheld RF Remote Control Shutdown		✓	✓	✓
Master Shutdown Capability		✓	✓	✓
* Optional, extras (PTO, Pressure Sensor, E - Stop)		✓	✓	✓

* The optional extras are custom solutions which are available at an additional cost.

The three main models of the Guardian Valve that we manufacture and install are as follow:



Easy to Operate and Test

Open / Close Valve From Inside Cab

Our solution is by using a fully electronic system with a dash controller that allows you to simply Stop/Run the valve with the push of a button from inside your cab.



With competitor valves, re-setting requires searching the engine compartment for your manual control and pulling cables/levers with significant force to reset from hard to reach places.

Status indicator light Valve inside cab

The DTI Guardian Safety System has different useful light indicator codes some of them are as follows:

LED Codes

- Red LED is on (solid): valve is closed.
- Red LED is on solid (2 seconds) & 2 seconds off: valve is disconnected / broken cables.
- Red LED blinks 3 times & 2 seconds off: valve is jammed / needs servicing.
- Red LED blinks constantly on start up, for 5 sec.: RPM signal lost or RPM tach is broken.



Real Time Logging

You can access real-time logs of the DTI Guardian Safety System, which will provide you with the ultimate in liability protection. Combined with GPS capabilities, you will always have a record of what happened.

Event Log





LOG SEARCH ADVANCED ADMIN

Customer: YCU ECLISOURCE0007

Site IDN: Wednesday, May 30, 2018 : 1:18:18 PM

IP Number: Log up to 8 days

Engine Type:  

	Time	Event
20	5/30/2018 - 1:16:13 PM	Valve 1 Open
20	5/30/2018 - 1:15:13 PM	Keyfob ID 454 unlock
20	5/30/2018 - 1:15:13 PM	Valve 1 Closed
20	5/30/2018 - 1:14:13 PM	Keyfob ID 454 lock
20	5/30/2018 - 1:40:58 PM	Valve 1 Open
20	5/30/2018 - 1:40:58 PM	Keyfob ID 454 unlock
21	5/30/2018 - 1:33:04 PM	Valve 1 Closed
22	5/30/2018 - 1:33:04 PM	Keyfob ID 454 shutdown
22	5/30/2018 - 1:29:09 PM	Valve 1 Open
22	5/30/2018 - 1:29:09 PM	Alarm control run
22	5/30/2018 - 1:22:57 PM	Valve 1 Closed
22	5/30/2018 - 1:22:57 PM	High RPM shutdown at 2752 rpm
17	5/30/2018 - 1:22:57 PM	IFT warning 10 degrees
17	5/30/2018 - 1:14:57 PM	Valve 1 Open
17	5/30/2018 - 1:14:57 PM	Alarm control run
17	5/30/2018 - 1:14:57 PM	Valve 1 Closed
17	5/30/2018 - 1:14:57 PM	GPS Shutdown, Contact, Fleet Manager
19	5/30/2018 - 1:12:58 PM	Valve 1 Open
19	5/30/2018 - 1:12:58 PM	Alarm control run
10	5/30/2018 - 1:12:58 PM	Valve 1 Closed
10	5/30/2018 - 1:12:58 PM	High RPM at 1500 rpm
9	5/30/2018 - 1:10:15 PM	Valve 1 Open
9	5/30/2018 - 1:10:15 PM	Alarm control run
9	5/30/2018 - 1:04:44 PM	Valve 1 Closed
9	5/30/2018 - 1:04:44 PM	High RPM shutdown at 2752 rpm
9	5/30/2018 - 1:02:58 PM	Valve 1 Open