



Water Detector Shutoff

FloodSafe™

No One Can
Predict When Your
Water Heater Will Leak



www.watts.com

WATTS®

Protect Against Catastrophic Water Damage

The Floodsafe™ Water Detector Shutoff protects the home or business owner from catastrophic damage due to a water heater leak. The Floodsafe™ Water Detector Shutoff detects the presence of water on the floor beneath the water heater and automatically shuts off the water supply and the power source to the water heater.

Features:

- Testable and Resettable: This is NOT a one-time use device. The FloodSafe™ Water Detector Shutoff can be easily reset by the contractor, home or business owner or plumbing inspector to assure proper operation.
- Easily installed on new or existing water heaters.
 - No special piping is required.
 - Supplied with a Water Dam for concrete, linoleum, tile or other hard surface flooring.
 - Sized for 3/4" or 1" water supply lines.
 - Secure interlocking connector cables are unique to each connecting device.
 - Powered by a safe low-voltage Power Supply that plugs into a standard 120 VAC wall outlet and is wired using standard thermostat cable.
 - No electrician required for gas and oil installations.
- Employs state-of-the-art water detection technology (no terminals to corrode or impair operation).
- Provides contacts for monitored alarm detection systems.
- Power Cutout Modules for the standing pilot gas fired water heaters retain thermocouple circuit in the event of momentary power outage.



Control Unit

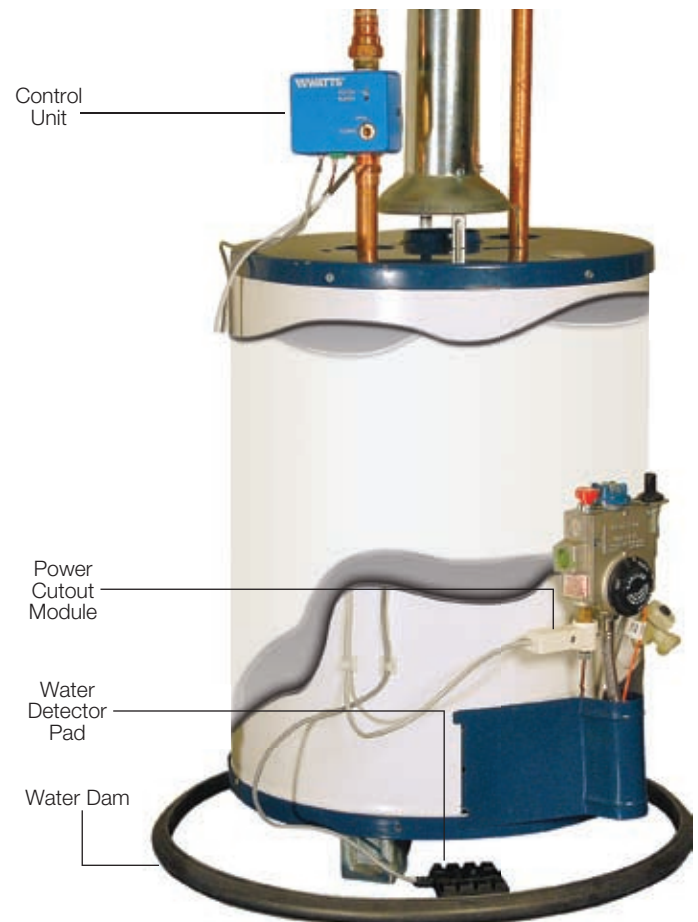


Water Detector Pad



How It Works:

- The Control Unit, which houses the circuitry, alarm lamp, audible alarm, alarm silence button, and connector sockets, is installed on the cold water supply to the water heater.
- The exclusive Water Detector Pad lays flat on the floor (or in a water heater drip pan).
- Upon detection of as little as $\frac{1}{16}$ " of standing water the Control Unit initiates the alarm and shutoff sequence.
 1. **Shuts off the water supply** to the water heater. Closes the cold water supply to the water heater to minimize water leakage and water damage.
 2. **Removes the source of power** to the water heater. Should the cause of water detection be from the temperature and pressure safety relief valve discharge, it is important that the supply of energy to the water heater be removed to protect against an extremely hazardous condition or explosion.† Protects your home or business against the danger of explosion.
 3. **Energizes an audible alarm and remote alarm contacts.** The Floodsafe™ Water Detector Shutoff has an internal alarm to alert the homeowner. It also has contacts that can be connected to a monitored alarm system, to provide 24/7 notification to a home or business security service.



Models Are Available For:

- Gas Fired Water Heaters
 - Standing Pilot Models: WDS-SP-L (L = left-hand thread), WDS-SP-R (R = right-hand thread)
 - Spark and Hot Surface Ignition Models: WDS-SI
- Electric Water Heaters: WDS-E220
- Oil Fired Water Heaters: WDS-SI
- Battery Back up: WDS-BB
 - The battery back up allows normal operation for 36 to 48 hours in the event of a power outage.

†Every water heater is equipped with a temperature and pressure safety relief valve to protect against dangerous over pressure or over temperature conditions.

Parts included

Control Unit

The Control Unit which houses the circuitry for the operation of the valve, contains an interlocking connection for the Water Detector Pad, the Power Supply, Remote Alarm and Power Cutout Module.



Control Unit



Control Unit - back



Interlocking Cables

Water Detector Pad

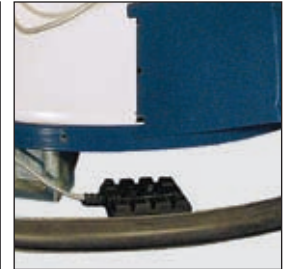
The Water Detector Pad lays flat on the floor or in a water heater drip pan. The pad employs state-of-the-art sensing technology. There are no terminals to rust or corrode assuring years of maintenance free operation.



Water Detector Pad



Water Detector Pad - bottom



Water Detector Pad - on floor

Water Dam

The rubber Water Dam can be easily placed around the perimeter of the water heater and cut to the proper length. The dam can be used for concrete, linoleum, tile or other hard surface flooring.



Water Dam



Power Supply



Power Supply - connections

Power Supply

A low-voltage Power Supply is included to deliver power to the Control Unit.

Power Cutout Module

The Power Cutout Module is specific to the WDS model; electric, oil fired/spark ignition, or standing pilot. Standing pilot units are used to interrupt the thermocouple, and they are available in right-hand threaded and left-hand threaded models.



Oil Fired or Spark Ignition



Standing Pilot



Electric - 220VAC