



**Water Heater  
Electronics**

# Water Heater Controls

Tankless



Energy Management



High Efficiency Gas



Solar Thermal



Energy Smart Electric



Heat Pump



# Energy Smart by A. O. Smith

- Whirlpool Energy Smart Residential Electric at Lowe's
  - “Energy Smart” Control
  - Proprietary “Energy Smart” algorithm has 4 operating modes: Normal, “**Energy Smart**”, **Vacation**, **Low Temperature**
  - Algorithm delivers up to **30% savings** in standby heat loss
  - Thermistors provide accurate temperature management
  - Diagnostic monitoring
  - Provides hardware **platform** for Grid Management
  - EF = .95
  - Saves energy even if the Consumer does not proactively manage mode options



# A. O. Smith Vertex 100 Technology

- The Vertex 100 features an advanced electronic control with LCD screen with an easy-to-navigate menu providing precise temperature control, operating information, diagnostics, and performance history.
- 96% thermal efficiency
- Power direct vent
- 100,000 BTU input
- 116 gallon recovery @ 100°F rise
- 4.3 GPM continuous flow
- Quiet operation



## Intelligent Control

- Developed by AO Smith
- Specifically designed for the Cyclone
- Large backlit LCD display
- Precise temp control
- Unit operation history
- 32 Fault codes
- Future expandability
- Connects to iComm



# iCOMM from A. O. Smith

## Active Communication

Sends e-mail or text message alerts in the event of a fault



## Easy Electronic Connectivity

Connects via a common ethernet or wireless connection

## BACNET Compatible

Communicates with existing Building Automation Systems

# Energy Management – Intelligent Electronics

