

BRADFORD WHITE

# Eco-DEFENDER

SAFETY SYSTEM® WITH SCREENLOK® TECHNOLOGY  
**ULTRA LOW NO<sub>x</sub> SERIES**

Eco-Defender Safety System® Ultra Low NO<sub>x</sub> Series models feature a NEW primary-air radiant burner, an exclusive Self Diagnostic Honeywell® Control and the most successful, reliable and maintenance-free FVIR technology in the industry.



#### ULTRA LOW NO<sub>x</sub> BURNER WITH INCONEL RADIANT FLAME HOLDER & STAINLESS STEEL DIFFUSER

- Primary-air radiant burner system with extremely low emission levels, optimal combustion efficiencies, superior durability and corrosion resistance.



#### EXCLUSIVE HONEYWELL® CONTROL WITH SELF DIAGNOSTICS

- Learns and monitors the combustion chamber's temperature profile and prevents water heater operation during upset conditions.
- Millivolt powered with built-in Piezo igniter - no plugs, outlets or hardwiring.
- More precise and consistent water temperatures.



#### EXCLUSIVE LED DISPLAY

- Provides real-time status indication to assist in troubleshooting, diagnostics and start-up.



#### EXCLUSIVE DIGITAL THERMAL SENSOR

- Resistance Temperature Device (RTD) transmits combustion performance data to the self diagnostic control.



#### EXCLUSIVE SECONDARY AIR DISTRIBUTION DEVICE

- Regulates the distribution of secondary air and maintains Ultra Low NO<sub>x</sub> emissions.



#### EXCLUSIVE RIGID MANIFOLD MOUNT

- Holds combustion system firmly in place while guarding vital internal burner components.
- Ensures optimal primary air distribution and proper air to gas mixture.



#### EXCLUSIVE COMBUSTION CHAMBER DOOR

- Large split-door design allows for servicing of combustion chamber components without removing the entire burner assembly.



#### STANDARD OFF-THE-SHELF THERMOPILE

- Proven reliable technology that generates millivolt power to operate the control.
- Standard right hand thread.



  
**BRADFORD WHITE**  
WATER HEATERS

[www.bradfordwhite.com](http://www.bradfordwhite.com)  
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**Built to be the Best™**

EDMP-09/06

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Superior, Eco-Friendly technologies make the Eco-Defender an Ultra Low NO<sub>x</sub> breakthrough!