

ODS Pilot Assembly:

ODS Pilot Assemblies are not convertible from one type of gas to another!

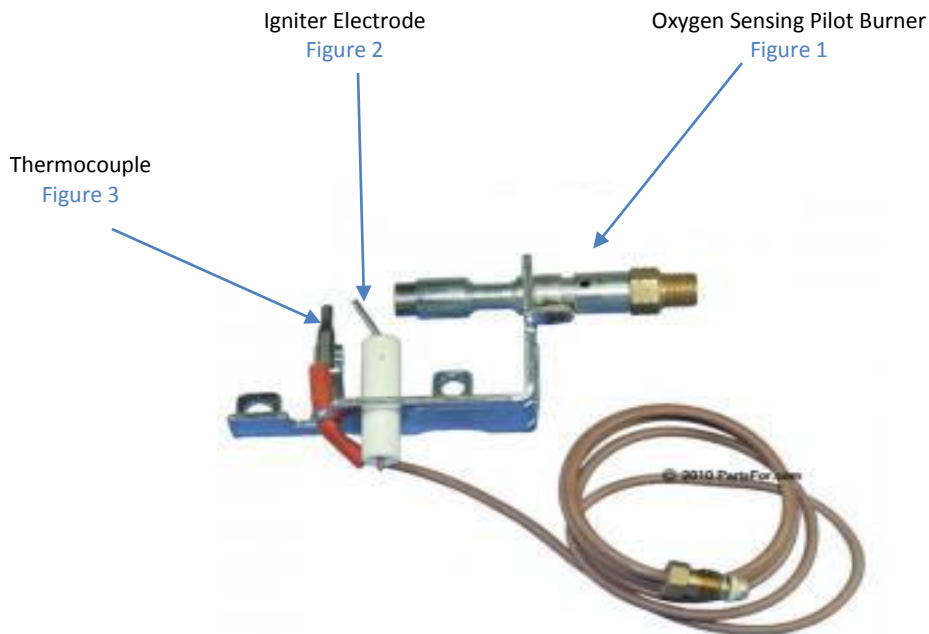
Oxygen Detection Safety Pilot (ODS) (figure 4) this technology has been adopted by all US manufactured vent-free gas products. The ODS is considered the circuit breaker for gas appliances.

How it works:

The ODS is designed with three components, an oxygen sensing pilot burner (figure 1), a thermocouple (figure 2) that is positioned in the mantle of the pilot flame, and a safety shut off (thermocouple) (figure 3). The design of the pilot is made to be stable with very limited operating range. When low levels of oxygen is detected the pilot flame will be extinguished, this will cause the thermocouple to cool and the loss of millivolts will cause the gas valve to close, not allowing the unit to operate until oxygen has been restored to the living space.

How to Troubleshoot:

The ODS contains a precision pilot orifice, the orifice will disintegrate with the attempt of any alterations. The ODS is NOT interchangeable with any other pilot system. Thus propane and natural gas vent free units CANNOT be converted from one type of gas to the other.



ODS,
Oxygen Detection Safety Pilot
Figure 4