

# Model 48245 Oil Primary Control

**Direct  
Replacement  
for the  
Honeywell  
R8184G\***



- **Wire for wire change out for R8184G**
- **Competitively Priced**
- **Water Resistant Design**
- **Serviceman Reset Protection**
- **Pump Prime**
- **LED Indicators**
- **Optional Smart Ignition**  
(see back for details)

**Carlin**<sup>®</sup>  
Combustion Technology, Inc.

## Carlin Model 48245 Optional Smart Ignition Feature...

# The Best of Both Worlds

- ✓ Operates in Interrupted Duty to extend ignitor life
- ✓ Automatically switches to Intermittent (constant) Duty when needed to ensure flame retention and eliminate unnecessary service calls

REDUCES  
IGNITOR RUN-TIME  
BY UP TO  
**95%**



Like any 3-wire control, the 48245 comes configured for easy wire-for-wire replacement of any 3-wire control, including the Honeywell R8184G. You can wire it up like any 3-wire control and be done – or use the additional blue/ignitor wire in the box which, when connected (see diagram below), will automatically activate the control's **Smart Ignition** features.

When **Smart Ignition** is activated, the 48245 runs the ignitor in Interrupted Duty whenever possible to dramatically extend the life of the ignitor/transformer and electrodes. **Smart Ignition** automatically switches to Intermittent Duty (often called “constant duty”) when needed to ensure flame retention and eliminate unnecessary service calls.

In a typical home, **Smart Ignition** can reduce the ignitor run time from 1,000 hours to under 50 hours per year.

### How It Works

**Smart Ignition** turns off the ignitor once the flame is fully established and the combustion chamber is warmed up. In the majority of cases, the burner will not lose flame retention. If, however, the flame is lost, the control will switch to Intermittent “constant” Duty and restart the burner. The control will remain in Intermittent Duty for ten heat cycles. Following these cycles, the control resumes Interrupted Duty ignition unless another flame loss occurs.

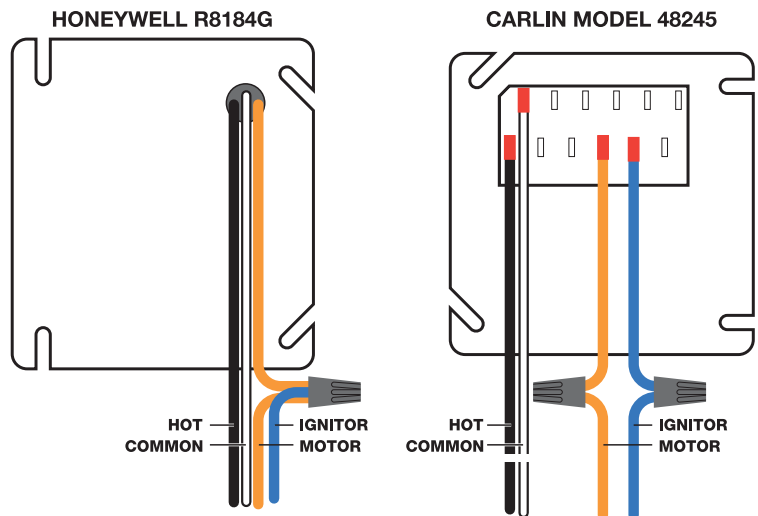
### Optional Smart Ignition Activation

When replacing a 3-wire control with the Carlin Model 48245 control, simply separate the motor (orange wire) from the ignitor (blue wire) and attach as shown.

### Model 48245 with Smart Ignition...

**Intermittent Duty when you need it.**

**Ignitor-Saving Interrupted Duty when you don't.**



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