



## Low cost, form, fit and functional replacement ignition control

### Features

- **Direct Spark Ignition (DSI) control board**
- **Microprocessor-based**
- **Controls inducer motors, air cleaner (if equipped), humidifier (if equipped), spark ignitor and the gas valve**
- **Monitors timing, trial for ignition, system switches, flame sensing and lockout**
- **100% lockout safety feature**
- **Compatible with LP or Natural Gas**
- **LED indication for status and fault codes to aid in troubleshooting**



### Specifications

- **Control voltage:** 24 VAC (18-30 VAC), 60 Hz
- **Line voltage:** 115 VAC, 60 Hz
- **Power consumption:** 0.3A plus gas valve current at 24 VAC
- **Operating temperature:** -40°C (-40°F) to 75°C (176°F)

#### Timing

- **Pre-purge:** 30 seconds
- **Trial for ignition:** 7 seconds
- **Retries:** Two groups of two, 30 seconds delay within the group and 3 minutes delay between groups
- **Lockout:** 1 hour
- **Post-purge:** 90, 120, 160 and 180 seconds

#### Inputs

- **Power:** 24 VAC and COM
- **Thermostat interface:** R, W, Y and G
- **System switches:** Vent Pressure and Limit switches (Main and Over-temperature switches in series)
- **Flame Sensing**
- **Heat blower OFF delay miniature slide switch set**

#### Outputs

- **Spark**
- **Gas Valve:** GV
- **Inducer draft motor:** IDM
- **Blower motor:** FAN, COOL and HEAT speeds
- **Electric Air Cleaner:** EAC
- **Humidifier relay:** HUM
- **Heat/Cool relay:** H/C

#### LED indicators

- **Power, green LED:** PWR
- **Status, green LED:** OK
- **Flame status, yellow LED:** FLAME

### Replaces

Rheem: 62-24140-04