



1820-009



1830-490

## PILOTS

### 1820 and 1830 Series

The Robertshaw® 1820 Series Pilot Uni-Kit® models are designed to replace hard-to-find ITT-General PG9 type pilots. A special 1/4" tubing adaptor is typically provided with nut and ball sleeve. Uni-Kits are available with and without a 32" [810mm] thermopile.

The 1830 Series Pilot Uni-Kit models are designed to be used with all Robertshaw and most competitive thermocouples. Uni-Kit models include an adaptor that converts a threaded thermocouple/thermopile model 2CH to a snap-in thermocouple type, model 2C.

**⚠ WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects, or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Features and Benefits

- Many flame pattern types available
- Thermocouple or thermopile options
- Spark electrode available
- Horizontal or vertical gas inlet
- Several mounting bracket types available
- Aerated pilots with non-linting characteristics

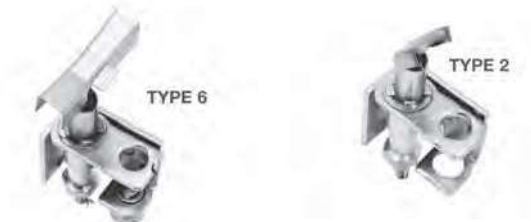
## Specifications

| Part Numbers | Description                                | Hood Type | Mounting Bracket Type | Flame Pattern Type | Lead Lengths | Includes                         |
|--------------|--|-----------|-----------------------|--------------------|--------------|----------------------------------|
| 1820-009     | PG9 Replacement Pilot Uni-Kit®             | NA        | NA                    | 90° Right Hand     | 36"          | 1950-532 Thermopile and Orifices |
| 1820-019     | PG9 Replacement Pilot Uni-Kit              | NA        | NA                    | 90° Left Hand      | 36"          | 1950-532 Thermopile and Orifices |
| 1830-001     | 2CH & 2C Incinerator -Target Pilot Uni-Kit | 2         | 6                     | Standard           | NA           | Orifices                         |
| 1830-113     | 9B Replacement Pilot Uni-Kit®              | 180 STD   | NA                    | NA                 | NA           | Orifices                         |
| 1830-210     | 2CH & 2C Incinerator-Target Pilot Uni-Kit  | 2         | 2                     | Standard           | NA           | Orifices                         |
| 1830-489     | 2CH & 2C Incinerator-Target Pilot Uni-Kit  | 6         | 6                     | 3-Way              | NA           | Orifices                         |
| 1830-490     | 2CH & 2C Incinerator-Target Pilot Uni-Kit  | 6         | 6                     | 3-Way              | NA           | Orifices                         |
| 1830-491     | 2CH & 2C Incinerator-Target Pilot Uni-Kit  | 6         | 6                     | 3-Way              | NA           | Orifices                         |
| 1830-702     | 9B Replacement Pilot Uni-Kit®              | STD       | NA                    | NA                 | NA           | Orifices                         |
| 66705 (SA)   | LP pilot, 6CH14-10                         | 6         | NA                    | 3-Way              | NA           | Orifices                         |



## Product Drawings

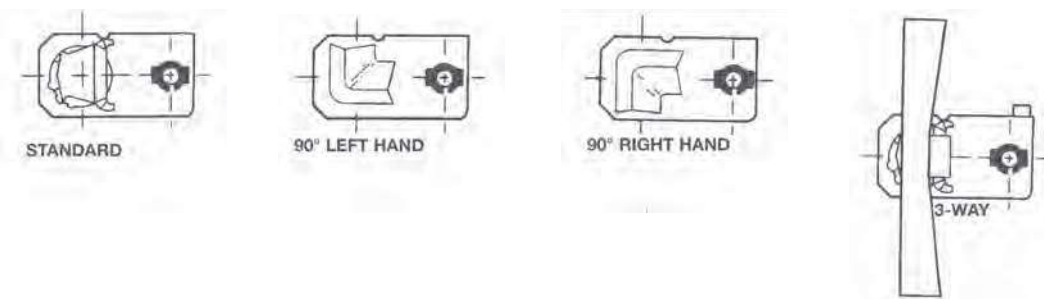
### Hood Type



### Mounting Bracket Type



### Flame Pattern Type



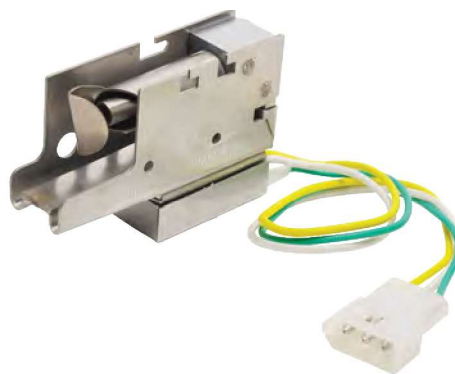
## ELECTRONIC PILOT BURNER SAFETY SWITCH

### 1830 Series

The Robertshaw® 1830 Series Pilot Burner Safety Switch is an ignition control with an embedded safety switch. The control's sensing technology automatically detects when a flame is not present and shuts off gas flow to help prevent an unsafe condition. This hard-to-find part is a key replacement component for over 1,700 Carrier, Payne, Bryant and Daynight (BPD) furnace models.

### Features and Benefits

- Differential expansion pilot with a 3-lead SPDT switch for use with a hot surface ignitor or spark ignition
- Yellow, white and green wires with Molex plug adaptor
- Pilot includes flame sensing, heat activated relay at base of pilot module



1830-620

### Specifications

| Part Numbers | Description                | Switch | Orifice Size | Inlet Pressure | Input Rating | Dimensions         | Electrical Rating    |
|--------------|----------------------------|--------|--------------|----------------|--------------|--------------------|----------------------|
| 1830-620     | Pilot Burner Safety Switch | SPDT   | .017         | 7.0" W.C.      | 950 BTU/Hr   | 4.7"L x 3"W x .7"H | 30V AC, 60 Hz, 1 Amp |

### Replacement Information

| Part Numbers | Replaces  |
|--------------|---|
| 1830-620     | 740A, 535-740A, LH680005, 535-740, P671-1406, CARL38999, CAR1830620 |