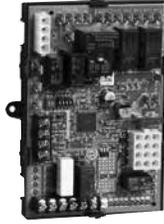


Integrated Furnace Controls

Integrated Furnace Controls



Application: Single stage warm air furnaces
Line Voltage: 120 Vac (97-132 Vac)
Low Voltage: 24V (18-30 Vac)
Frequency: 60 Hz
Operating Humidity Range (% RH): 0% to 95% non-condensing
Igniter Current: 5 A resistive @ 120VAC
Thermostat Anticipator Setting: (Stage 1 only) 100mA
PrePurge: 30 seconds
HSI Warmup Time: 17/27 or 30/30 seconds
Trial For Ignition: 4, 6, or 8 seconds
PostPurge: 15 seconds
Interpurge: 60 seconds
Ignition Trials: Three, two tries if flame is not sensed
Number of LEDs: 3

Universal integrated furnace control replaces multiple single stage field installed hot surface igniter IFC supplied by White Rodgers and UTEC. Uses 120 VAC igniter. Includes instructions special wire harnesses for easy replacement.

- Cross reference and wire harnesses provided for simple replacement over 195 existing furnace controls.
- Main burner ignition using a 120V hot surface igniter.
- Flame rectification circuit to monitor flame presence.
- Monitoring of system pressure switch, high temperature limit, and rollout functions.
- Appliance operation/safety requirements controlled via microprocessor.
- Controls circulating fan motor based on appliance requirements, in response to a conventional low voltage thermostat.
- LED system status, performance and diagnostic indication.
- Twinning capability

Heat On Fan Delay: 30 or 60 seconds

Heat Off Fan Delay: 60, 90, 120, or 180 Seconds

Cool Fan On Delay: 5 seconds

Cool Fan Off Delay: 0 or 60 seconds

Gas Control Used With: Any 24Vac redundant, direct ignition gas control rated at 1.5A or less. Honeywell VR8205 recommended.

Cooling Contactor Used With: Any 24Vac contactor rated at 1.0A or less

Induced Draft Blower Load: 2.2FLA / 25LRA max @120Vac

Circulator Load: 14.5FLA / 25LRA max @120Vac

Type of Fan Used With: Standard Induction-Type Circulating Fan

Operating Temperature Range: -40°C to +79°C (-40°F to +175°F)

Flame Failure Response Time (sec): 2 Seconds max @ 1µA

Material Number	Description
S9200U1000/U	Universal single stage heating & cooling