

Now available through after-market distributors:

37E73A series INTELLI-VENT™

Combination Gas Valve and Water Heater Thermostat Control



The 37E73A series INTELLI-VENT™ control is a combination gas valve, ignition control, and thermostat for use on Power Vented water heaters. The microcomputer in the control supervises the ignition sequence and timings for the water heater, and provides diagnostic codes in case of system malfunction. The control provides direct burner ignition using the White-Rodgers' Silicon Nitride Ignitor (the 21D64-2). The control uses the INTELLI-VENT™ technology to greatly extend the ignitor's life.

Specifications

Body Configuration:

Right angle with a 1/2" NPT inlet and a 1/2" inverted flare outlet

Mounting:

Limited Horizontal / Vertical

Electrical Rating:

Voltage and Frequency - 120 VAC, 60 HZ

Output Ratings:

Ignitor Load - 2 Amps Maximum
Inducer Draft Motor - 3 Amps Full Load,
4 Amps Locked Rotor
Current - 0.2 Amps at 120 VAC

Range of Regulation (BTU / Hr):

Minimum - 20,000
Maximum - 150,000

1.0" Pressure Drop Capacity*:

100,000 BTU / Hr

*Based on 1000 BTU / ft³, 0.64 specific Gravity Natural Gas

Maximum Inlet Pressure:

1/2 PSI Maximum

Ambient Temperature Rating:

32°F to 160°F (0°C to 70°C)

Automatic High Temperature Cut-off:

Single-Use Type, 195°F (90°C)

Pre Purge:

5 Seconds

Ignitor Warm-Up Time:

20 Seconds

Trial For Ignition Period:

4 Seconds

Inter-Purge Time:

5 Seconds

Post-Purge Time:

5 Seconds

Ignition Retries:

2 Retries, 3 Trials Before Lockout

Ignition Recycles:

2 Recycles, 3 Losses of Flame Before Lockout

✓ Available through after-market distribution

✓ Individually boxed for maximum protection

✓ Complete with model #'s, labels and OEM cross-reference for ease of inventory tracking

✓ 36 month warranty Through White-Rodgers (12 months from the date of installation)

✓ Purchase applicable towards WRAP program



21D64-2 Silicon Nitride Ignitor

White-Rodgers Part #	OEM Replacement	OEM Part #
37E73A-903	A.O. Smith / State	# 184960 / #9003691005
37E73A-906	State	#9005964005
37E73A-918	Giant	#56000152A
37E73A-921	GSW	#64020121
37E73A-922	-	-
37E73A-927	Rheem	#SP13845D

For Natural Gas Only

