

**50D50-842**



**UNIVERSAL DIRECT SPARK IGNITION CONTROL  
FOR ALL GASES**

The 50D50-842 is a Microprocessor Based Gas Ignition Control for Heating Appliance Using Either Natural or LP Gas. Proof of Flames is Accomplished. The Unit is Designed as a Direct Spark Ignition Source

**FEATURES**

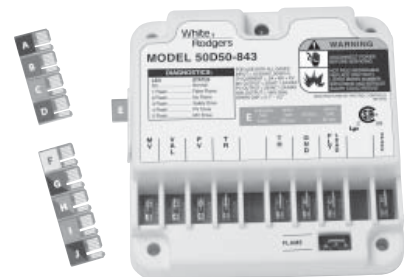
- Color LED indicator for diagnostics.
- Program keys.
- 1/4" and 3/16" quick connect terminals.
- Damper interface.

**SPECIFICATIONS**

Electrical Ratings . . . . . Input 18-30 VAC, 25 VAC nominal  
 Maximum Input Current @ 25 VAC . . . . . 0.2A + MV @ 25°C  
 Ambient Operating Range . . . . . -40° to +175°F  
 Flame Establishment Time . . . . . .8 sec  
 Mounting. . . . . Multipoise  
 Agency Approvals. . . . . CSA USA/CANADA

50D50-842 CONFIGURATION OPTIONS (All Times in Seconds)

Model Number	Key	Trial for Ignition	Prepurge	Retries	Interpurge
50D50-842	A	4	0	2	90 sec.
	B	4	30	2	90 sec.
	C	7	0	2	90 sec.
	D	7	30	2	90 sec.
	E	7	0	0	N/A
	F	7	30	0	N/A
	G	11	0	0	N/A
	H	11	30	0	N/A



**50D50-843**



**UNIVERSAL PROVEN PILOT SPARK CONTROL  
FOR ALL GASES**

Microcomputer Based Gas Ignition & Primary Safety Control Designed for Interrupted Spark and Burner Supervision of All Gases Used in Gas Fired Appliance Applications

**FEATURES**

- Field service replacement for most Honeywell, Robertshaw, Johnson Controls and UTEC Intermittent Pilot Ignition Controls.
- Provides ignition, proof of ignition and precise timing.
- Works with single rod or dual rod remote sensor.
- Color LED indicator for diagnostics.

**SPECIFICATIONS**

Electrical Ratings . . . . . Input 18-30 VAC, 25 VAC nominal  
 Maximum Input Current @ 25 VAC . . . . . 0.2A + MV + PV @ 25°C  
 Flame Out Recognition Time . . . . . 8 seconds  
 Ambient Operating Range . . . . . -40° to +176°F (-40 to +80°C)  
 Dimensions. . . . . 4.13" L x 4.13" W x 1.5" H  
 Agency Approvals. . . . . CSA USA/CANADA

50D50-843 CONFIGURATION OPTIONS (All Times in Seconds)

Model Number	Key	Reset Time	Prepurge	Retries	Safety Time
50D50-843	A	300	0	Continuous	90
	B	300	30	Continuous	90
	C	300	0	Continuous	30
	D	300	30	Continuous	30
	E	300	0	2	60
	F	300	30	2	60
	G	300	0	Continuous	15
	H	N/A	30	N/A	Continuous
	I	300	0	Continuous	4
	J	300	30	Continuous	4

**CROSS REFERENCE**

**50D50-843 Replaces:**

Honeywell S8610U
Johnson Controls G779
Robertshaw 780-715