

## SPARK IGNITORS



**62-24271-01 Direct Spark Ignitor (DSI)**

PART NO	LENGTH MNTNG FLANGE TO IGNITOR TIP (IN)	LENGTH SPARK ELECTRODE OFFSET (IN)	ANGLE SPARK ELECTRODE OFFSEET (IN)	LENGTH GROUND ELECTRODE OFFSET (DEGREES)	ANGLE GROUND ELECTRODE OFFSET (DEGREES)	SPARK GAP (IN)	WIRE LENGTH (IN)	TERMINATION
62-24271-01	1-1/4	1/4	90	1-1/4	0	1/8	13	0.084 in. dia.round pin term.



**62-24271-02 Direct Spark Ignitor (DSI)**

PART NO	LENGTH MNTNG FLANGE TO IGNITOR TIP (IN)	LENGTH SPARK ELECTRODE OFFSET (IN)	ANGLE SPARK ELECTRODE OFFSEET (IN)	LENGTH GROUND ELECTRODE OFFSET (DEGREES)	ANGLE GROUND ELECTRODE OFFSET (DEGREES)	SPARK GAP (IN)	WIRE LENGTH (IN)	TERMINATION
62-24271-02	1-1/4	1/4	90	1-1/4	0	1/8	30	0.084 in. dia.round pin term.



**62-24313-02 Direct Spark Ignitor (DSI)**

PART NO	LENGTH MNTNG FLANGE TO IGNITOR TIP (IN)	LENGTH SPARK ELECTRODE OFFSET (IN)	ANGLE SPARK ELECTRODE OFFSEET (IN)	LENGTH GROUND ELECTRODE OFFSET (DEGREES)	ANGLE GROUND ELECTRODE OFFSET (DEGREES)	SPARK GAP (IN)	WIRE LENGTH (IN)	TERMINATION
62-24313-02	2-7/16	1-3/16	90	1-1/8	135	1/8	32	0.084 in. dia.round pin term.



**45-42375-82 Intermittent Pilot Spark Ignitor**

PART NO	LENGTH MNTNG FLANGE TO IGNITOR TIP (IN)	LENGTH SPARK ELECTRODE OFFSET (IN)	ANGLE SPARK ELECTRODE OFFSEET (IN)	LENGTH GROUND ELECTRODE OFFSET (DEGREES)	ANGLE GROUND ELECTRODE OFFSET (DEGREES)	SPARK GAP (IN)	WIRE LENGTH (IN)	TERMINATION
45-42375-82	—	—	—	—	100	—	40	1/4 inch Quick Connect or Plug Style Adapte

## IGNITION MODULES

### IGNITION MODULES – INTERMITTENT PILOT



**47-ICM290 (ICM290A) Intermittent Pilot Ignition Module**



PART NO	VENDOR PART NO	PRE-PURGE TIME	TRIAL FOR IGNITION (S)	NO OF TRIALS FOR IGNITION (S)	FLAME SENSING	TERMINALS
47-ICM290	ICM290	0	90	Continuous	Integrated or Non-Integrated	MV, MV/PV, PV, GND, 24V (GND), 24V (DAMPER ONLY), TH-W



**625010 (780-001) Intermittent Pilot Ignition Module**



PART NO	PRE-PURGE TIME	TRIAL FOR IGNITION (S)	NO OF TRIALS FOR IGNITION (S)	FLAME SENSING	TERMINALS
625010	0	Indefinite	—	Integrated or Non-Integrated	24V (TH), PV, (OPT) SENSOR, ACCESSORY TERM E3, MV, MV/PV, TR, GROUND, IGNITOR



**OEM Spec Replacements for Honeywell S8600/S86 Intermittent Pilot Ignition Modules**



When replacing Honeywell S8600 and S86 intermittent pilot ignition modules on Rheem, Ruud, and WeatherKing equipment, these control modules maintain the engineering approved timing, ignition sequence, and lockout profiles.

PART NO	PRE-PURGE TIME	TRIAL FOR IGNITION (S)	NO OF TRIALS FOR IGNITION (S)	FLAME SENSING	TERMINALS	REPLACES
625038	45	90	1	Integrated (Thru Ignitor)	MV, MV/PV, PV, 24V,	62-21192-03, 62-21192-05, 62-21192-07, 62-21192-08, 62-21192-09, 62-21192-11, 62-21192-12, 62-21192-13, 62-21192-14, 62-21192-82, 62-21192-83, 62-21192-84, 62-21192-93, 62-21192-93, 62-21193-83, 62-25078-01
625040	1	90	1	Non-Integrated (Sep. Flame Sensor)	MV, MV/PV, PV, 24V, GND (Burner), 24V (GND), SENSE, SPARK	62-42231-01, 62-42231-02 62-42231-02
625042	1	90	Continuous	Integrated (Through Ignitor)	MV, MV/PV, PV, 24V, GND (Burner), 24V (GND), SPARK	62-21192-01, 62-21192-06, 62-21192-10, 62-21192-80, 62-21192-90