

1-800-GRAINGER (472-4643)

Type	Voltage	Prepurge Time (sec.)	Retries	Brand	Mr. Model	Item No.
Direct Spark Ignition	24	34 sec	3	Robertshaw	780-501	1TGE1
		30 sec	0 to 2	White-Rodgers	50E47-843	3XA74
		30 sec	2	White-Rodgers	50A55-843	3XA75
Hot Surface Ignition	120	30 sec	2	White-Rodgers	50A65-843	3XA76
		32 sec	1 or 3	ICM	ICM283	5KPX5
		32 sec	1 or 3	Honeywell Home	S8910J3000	48KT46
Intermittent Pilot Ignition	24	0 or 30	Continuous	ICM	ICM290A	5KPX6
		360 sec	3	Robertshaw	780-845	1TDG9
		Up to 30	Continuous	Honeywell Home	S8610J3009	1RZ22
Lockout, 1 Rod or 2 Rod Sensing	24	360 sec	3	Robertshaw	780-002	4E959
Nonlockout, 1 Rod or 2 Rod Sensing		—	Continuous	Robertshaw	780-001	4E958 *
Spark Ignition		45 sec	3	Robertshaw	780-003	6KXD5
Spark Ignition, Lockout	24	—	Continuous	Robertshaw	780-735	6KXD4
Spark Ignition, Nonlockout		—	Continuous	Robertshaw	780-715	6KXC6
Spark to Pilot		0 or 30	0, 2, or Continuous	White-Rodgers	50D50-843	16X611
Universal Integrated Two-Stage	24V AC	15 sec	2	White-Rodgers	21V51U-843	16X596
		15 sec	2	White-Rodgers	21M51U-843	16X595
Universal Single Stage	24V AC	30 sec	2	White-Rodgers	50M56U-843	16X594

* NG only.



White-Rodgers
Honeywell
Home

Universal System Controls

- 1/4" quick-connect
 - Gas type: LP/NG
- 3XA74 is universal for comparative silicon carbide modules. Features interchangeable program keys. 1RZ22 is for single- and dual-rod remote sense applications.



48KT46

Note: For more information on included components and features, go to Grainger.com®.

Robertshaw **Honeywell Home**
Intermittent Pilot Ignition Systems and Conversion Kits



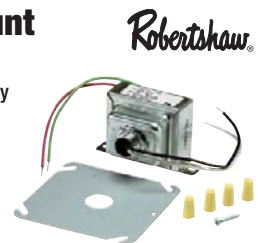
Convert conventional standing pilot systems to intermittent pilot systems. 1TGE4 is 100% shutoff with 90-sec. max. ignition trial; continuous retry. 4E396 has no max. lockout time with continuous trial for ignition and is not 100% shutoff. 4E397 has 60-sec. max. lockout time, and shutoff is 100% after 3 trials for ignition.

Note: For kit contents, go to Grainger.com®.

Description	Control Volts	BtuH Cap.	Gas Type	Inlet/Outlet (in.)	Brand	Mr. Model	Item No.
Intermittent Pilot Gas Ignition Systems	24 V	170,000 / 272,000	LP/NG	1/2 x 1/2	Robertshaw	712-005	1TGE4
		200,000	NG	1/2 x 3/4	Robertshaw	712-017	4E396
		200,000 / 320,000	LP/NG	1/2 x 3/4	Robertshaw	712-008	4E397
Standing Pilot Conversion Kits	24 V	150,000	LP/NG	1/2 x 1/2	Honeywell Home	Y8610J4001	2RNY1
		270,000	LP/NG	1/2 x 3/4	Honeywell Home	Y8610J6006	2RNY2

Universal-Mount Transformers

- 8" primary and secondary leads, except screw terminals on 6JZX6
- 1-phase, 60/50 Hz
- Thermal fuse protection
- Mounting: foot, 4 x 4 plate, or hub



6JZX4

Indoor enclosure.

Input Voltage	Output Voltage	VA Rating	Mr. Model	Item No.
120V AC	24V AC	40 VA	620-403	6JZX4
208V AC, 240V AC	24V AC	40 VA	620-404	6JZX5
120V AC, 208V AC, 240V AC	12V AC, 2.5V AC, 24V AC	48 VA	620-502	6JZX3
	24V AC	50 VA	620-502	6JZX7
	28V AC	50 VA	620-501	6JZX6
120V AC, 208V AC, 240V AC, 480V AC	24V AC	75 VA	620-503	6JZX8

Furnace Control Boards

Direct wire-for-wire replacement of OEM control boards.

Description	Replaces	Brand	Mr. Model	Item No.
Defrost Control Board	Carrier Mfr. No. HK32EA001, HK32EA003, HK32EA008	ICM	ICM350	32MY16
Fan Blower Control	Carrier Mfr. No. PCBDM-133	ICM	ICM314C	53YK29
	42-22515-02, 42-22515-03 Bard; 8201-056 Snyder General/ICP; 1395336 Mars; 32393, A-1; 5893 Rheem; 42-22515-01	ICM	ICM255	5KPW9
	Carrier: CES0110019, HH84AA001, HH84AA003, HH84AA005, HH84AA009, HH84AA014, HH84AA015, HH84AA021 and Robertshaw: 695-101	ICM	ICM275	5KPX1
	Carrier Mfr. No. 302075-3, CES01100017, CES01100018, HH84AA010, HH84AA011, HH84AA012, HH84AA013, HH84AA020, P771-7002, and Robertshaw Mfr. No. 695-100	ICM	ICM271	5KPX0
	Carrier Mfr. No. HH84AA017, HH84AA018	ICM	ICM278	32MY15
Furnace Control Board	Carrier Mfr. No. B18099-06, B18099-08, B18099-10, B1809913, CNT04664, Mfr. No. 50T35-730	White-Rodgers	50T35-743	44R198
	Carrier CES0110074-01	ICM	ICM280A	40N232
	Carrier LH33WP003 (DSI Control Board)	ICM	ICM291	40N229
	Carrier Mfr. No. 325878-751, HK42F2004, HK42F2007, HK42F2008, HK42F2009, HK42F2011, HK42F2013, HK42F2016, HK42F2034, ICM282A	White-Rodgers	50M56U-751	38XJ62
	Carrier Mfr. No. HK42F2017	ICM	ICM2807	32MY17
	Goodman B18099-26S, PCBPF112S	ICM	ICM286	40N226
	Lennox for all BCC1, BCC2 and BCC3 Circuit Boards	ICM	ICM289	40N228
	Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, 63K8901, 97L4801, 17W9201, 23W5101, 30W2501, 69M0801, 69M1501, 83M001, White Rodgers Models 50A66-843, 50A62-121, 50A66-122, 50A66-123, 50A65-121, 50A62-120, 50A62-820, 50A66-123	White-Rodgers	21D83M-843	44R199
	Non-Integrated Modules, Replaces All Spark	White-Rodgers	50D50-842	30PL30
	Nordyne 624631	ICM	ICM2805A	40N233
	Rheem 62-24084-82	ICM	ICM288	40N227
	Rheem 62-24140-04 (DSI Control Board)	ICM	ICM292	40N230
	Trane Mfr. No. CNT02789, CNT02891, CNT03799, D341122P01, D341235P01, D341235P03, White-Rodgers 50A55-474, 50A55-476, 50A55-571	White-Rodgers	50A55-3797	38XJ65
	Trane Mfr. No. CNT03076, CNT03098, CNT05164, CNT05165, D341213P01, D341396P03, D341396P04, D3411396P05	White-Rodgers	50A65-5165	38XJ63
	York/Evcon 7990-319P	ICM	ICM2801	40N231
York Mfr. No. 265901, 265902, S1-03100662000, S1-03101250000, S1-03101266000, S103101267000, S1-03101267001, S103101284000, S103101933000, S103101972000, S103101977000, S13310102956000, S133103010000	White-Rodgers	50A56-956	38XJ64	
York Mfr. No. S1-331-03010000, S1-331-02956000	ICM	ICM2808	32MY18	
325878-751, Carrier: HK42F2004, HK42F2007, HK42F2008, HK42F2009, HK42F2011, HK42F2013, HK42F2016	ICM	ICM282A	5KPX4	
Carrier: CES011005700, CES01100200, CES01100448, CES011005701, CES011005702, HH84AA012	ICM	ICM281	5KPX3	
Goodman/Janitrol: B18099-06, B18099-08, B18099-10, B18099-13, B18099-13S, UTEC: 1012-933D, Texas Instruments: 41F-5, White-Rodgers: 50T35-730, 50T35-743	ICM	ICM280	5KPX2	
Drop In Direct Replacement Ignition Control for Goodman O130F00005, O130F00005S, B1809926, B1809926S, PCBPF110, PCBPF110S, PCBPF112, PCBPF112S, PCBPF123, PCBPF123S, White-Rodgers 50T55-289 and 50A55-289	White-Rodgers	50A55-743	29TH96	
Goodman Replacement Integrated Hot Surface Control O130F00006, O130F0006S, PCB00109, PCBPF109, PCBPF122, PCBPF122S, PCBPF132, PCBPF132S, 50M56-289	White-Rodgers	50M56-743	29TH95	
Lennox Models 30W2501, 100925-01, 100925-02, 100925-03, 17W92, 17W9201, 23W51, 23W5101, 30W25, 30W2501, 69M08, 69M0801, 69M15, 69M1501, 50A66-122, 50A66-123, 50A66-743	White-Rodgers	50A66-743	29TH94	

Electric Water Heater Thermostats and Limit Controls

Thermostats—Terminal 1 is common. 6XZV2 closes circuits 1 and 4 and opens circuits 1 and 2 on temperature rise.

Limit Control/Thermostats—Factory assembled.

Limit Control—Manual reset.

Description	Switch Action	Temp. Range (F)	Contact Rating Noninductive			Pilot Duty 120/480V (VA)	Watts		Item No.
			120/240V	277V	480V		120V	240V	
Thermostat SPST	Open on Rise	90 to 150	30 A	25 A	12.5 A	125	3,000	6,000	6XZV1
Thermostat SPDT	Open 1-2 on Rise	90 to 150	30 A	25 A	12.5 A	125	3,000	6,000	6XZV2
Limit Control/Thermostat	Open on Rise	90 to 150 (170 Fixed)	30 A	25 A	12.5 A	125	3,000	6,000	6XZV4
Thermostat	Open 1-2 on Rise	90 to 150 (170 Fixed)	30 A	25 A	12.5 A	125	3,000	6,000	6XZV5
Limit Control DPST	Open on Rise	170 fixed	40 A	40 A	25 A	125	—	—	6XZV3



6XZV3

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