| Туре | Voltage | Prepurge Time (sec.) | Retries | Brand | Mfr. Model | Item No. |
|---------------------------------------|---------|-------------------------|------------|-------------------|---------------|-------------|
| | | 30 sec | 0 to 2 | White-Rodgers | 50E47-843 | 3XA74 |
| | 24 | 30 sec | 2 | White-Rodgers | 50A55-843 | 3XA75 |
| Hot Surface Ignition | | 30 sec | 2 | White-Rodgers | 50A65-843 | 3XA76 |
| | 120 | 32 sec | 1 or 3 | Honeywell Home | S8910U3000 | 48KT46 |
| | | 360 sec | 3 | Robertshaw | 780-845 | 1TGD9 |
| Intermittent Pilot Ignition | | Up to 30 | Continuous | Honeywell Home | S8610U3009 | 1RZZ2 |
| Lockout, 1 Rod or 2 Rod Sensing | | 360 sec | 3 | Robertshaw | 780-002 | 4E959 |
| Nonlockout, 1 Rod or 2 Rod Sensing | 24 | _ | Continuous | Robertshaw | 780-001 | 4E958 * |
| Spark Ignition | | 45 sec | 3 | Robertshaw | 780-003 | 6KXD5 |
| Spark Ignition, Lockout | | _ | Continuous | Robertshaw | 780-735 | 6KXD4 |
| Spark Ignition, Nonlockout | | _ | Continuous | Robertshaw | 780-715 | 6KXC6 |
| Universal Integrated | | 15 sec | 2 | White-Rodgers | 21V51U-843 | 16X596 |
| Two-Stage | 24V AC | 15 sec | 2 | White-Rodgers | 21M51U-843 | 16X595 |
| * NG only. | | | | | | |

White-Rodgers



Universal System Controls

- 1/4" quick-connect
- Gas type: LP/NG

3XA74 is universal for comparative silicon carbide modules. Features interchangeable program keys. 1RZZ2 is for single- and dual-rod remote sense applications.

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



Kobertshaw

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 | Cap. | | Inlet/ Outlet (in.) | Brand | Mfr. Model | Item No. |
|-----------------------------|--------------------------------|------------------|-------------------|-----------|------------------------|----------------|---------------|-------------|
| | Intermittent Pilot Gas | | 170,000 / 272,000 | | | Robertshaw | 712-005 | 1TGE4 |
| Ignition Systems | | 200,000 | NG | 1/2 X 3/4 | Robertshaw | 712-017 | 4E396 | |
| | igililion systems | 24 V | 200,000 / 320,000 | LP/NG | 1/2 X 3/4 | Robertshaw | 712-008 | 4E397 |
| Ctanding Dilet Conversion I | Standing Pilot Conversion Kits | _ | 150,000 | LP/NG | 1/2 x 1/2 | Honeywell Home | Y8610U4001 | 2RNY1 |
| | Standing Filot Gunversion Kits | | 270,000 | I P/NG | 1/2 v 3/4 | Honeywell Home | V8610H6006 | 2RNV2 |

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

Indoor enclosure.



6JZX4

Robertshaw

| Input | Output | VA | Mfr. | ltem |
|---------------------------------------|-------------------------|--------|--|-------|
| Voltage | Voltage | Rating | Model | No. |
| 120V AC | 24V ÃC | 40 VA | 620-403 | 6JZX4 |
| 208V AC, 240V AC | 24V AC | 40 VA | 620-404 | 6JZX5 |
| 120V AC, 208V | 12V AC, 2.5V AC, 24V AC | 48 VA | 620-402 | 6JZX3 |
| AC. 240V AC | 24V AC | 50 VA | 620-502 | 6JZX7 |
| -, | 28V AC | 50 VA | Model 620-403 620-404 620-402 | 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.



Honeywe White-Rodgers Home

| A2-22515-02, 42-22515-03 Bard: 8201-056 Snyder General/CP: 1395336 Mars: 32393, A-1: 5893 Rheem: 42-22515-01 | Description | Replaces | Brand | Model | No. |
|--|-------------|--|----------------|-------------|--------|
| Carrier CES0110019, HH84AA003, HH84AA005, HH84AA009, HH84AA014, HH84AA012, ICM ICM275C SKPX1 Carrier Mr. No. 302075-3. CES01100017, CES011005700, CES01100570, | Fan Blauser | 42-22515-02, 42-22515-03 Bard: 8201-056 Snyder General/ICP: 1395336 Mars: 32393, A-1: 5893 Rheem: 42-22515-01 | ICM | ICM255C | 5KPW9 |
| HH84AA013, HH84AA020, P771-7002, and Robertshaw Mfr. No. 695-100 ST9101, ST9120, ST9141, ST9160 Honeywell Home ST9120U1011 ST9101, ST9120, ST9141, ST9160 Honeywell Home ST9120U1011 ST9101, ST9120, ST9141, ST9160 Honeywell Home ST9120U1011 ST9120, ST9141, ST9160 Honeywell Home ST9120U1011 ST9120U1011 ST9120U1011 ST9120U1011 HM8 HM829 ST9120U1011 HM8 HM827017, MR827017, MR827017, HK8272004, HK42F2007, HK42F2008, HK42F2019, HK42F2013, HK42F2016, HK42F2034, ICM282A White-Rodgers S0M56U-751 38X.662 Carrier Mfr. No. HK42F2017, ICM27013, HK42F2016, HK42F2014, HK42F201 | | | ICM | ICM275C | 5KPX1 |
| ST9101, ST9120, ST9141, ST9160 Honeywell Home ST9120U1011 6HMH8 | | Carrier Mrr. No. 302U/5-3, CESU1100017, CESU1100018, HH84AA011, HH84AA011, HH84AA012, HH84AA013, HH84AA020, P771-7002, and Rohertshaw Mfr. No. 695-100 | ICM | ICM271C | 5KPX0 |
| Carrier LH33WP003 (DSI Control Board) Carrier Mfr. No. 325878-751, HK42FZ004, HK42FZ008, HK42FZ009, HK42FZ0011, HK42FZ013, HK42FZ016, HK42FZ034, ICM282A White-Rodgers 50M56U-751 38X.62 Carrier Mfr. No. HK42FZ017 Lennox for all BCC1, BCC2 and BCC3 Circuit Boards Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, Lennox Models 100925-01, 100925-02, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, SAS901, 97L8401, 17W9201, 23W5101, 30W2501, 69M0801, 69M1501, 83M001, White Rodgers Models White-Rodgers DA55-04, 46L82, 50A65-121, 50A65-121, 50A65-121, 50A62-120, 50A62-820, 50A66-123 Nordyne 624631 Rheem 62-24184-04 (DSI Control Board) Trane Mfr. No. CNT02789, CNT02891, CNT0 | | ST9101, ST9120, ST9141, ST9160 | Honeywell Home | ST9120U1011 | 6HMH8 |
| Carrier Mfr. No. 2525878-751, HK42FZ004, HK42FZ007, HK42FZ009, HK42FZ001, HK42FZ013, HK42FZ0134, ICMZ82A White-Rodgers 50M56I-751 38XJ62 Carrier Mfr. No. HK42FZ017 | | B18099-06, B18099-08, B18099-10, B1809913, CNT04664, Mfr. No. 50T35-730 | White-Rodgers | 50T35-743 | 44R198 |
| Carrier Mfr. No. HK42FZ017 | | Carrier LH33WP003 (DSI Control Board) | | | |
| Lennox for all BCC1, BCC2 and BCC3 Circuit Boards Lennox for all BCC1, BCC2 and BCC3 Circuit Boards Lennox for all BCC1, BCC2 and BCC3, 100925-03, 10M93, 32M8801, 56L84, 56L8401, 24L8501, 63K89, | | | | | |
| Control Board Control Boar | | Lennox for all BCC1, BCC2 and BCC3 Circuit Boards | | | |
| Nordyne 624631 CM CM2805A 40N233 Rheem 62-24084-82 CDM CM2824 40N230 CM2824 Rheem 62-24140-04 (DSI Control Board) CDM CM2828 40N230 CM2824 40N23 | Control | 63K8901, 97L4801, 17W9201, 23W5101, 30W2501, 69M0801, 69M1501, 83M001, White Rodgers Models | | 21D83M-843 | 44R199 |
| Rheem 62-24140-04 (DSI Control Board) Trane Mfr. No. CNT02789, CNT02891, | Board | Nordyne 624631 | | | |
| Trane Mfr. No. CNT02789, CNT02891, CNT03799, D341122P01, D341235P01, D341235P01, D341235P01, D341235P01, D341235P01, D341235P01, D341235P01, D341235P01, D341235P01, D341336P02, D3412336P03, White-Rodgers 50455-571 Trane Mfr. No. CNT03076, CNT03098, CNT05164, CNT05165, D341213P01, D341396P03, D341336P03, D3411396P05, White-Rodgers 50455-5165 38XJ63 Vork Mfr. No. CS5901, 255902, S1-03100682000, S1-03101250000, S1-03101267000, S1-0310126 | | | ICM | | |
| D341235P03, White-Rodgers 50A55-474, 50A55-476, 50A55-675 S0A56-956 Trane Mfr. No. CNT03076, CNT03098, CNT05164, CNT05165, D341213P01, D341396P04, D341396P05 White-Rodgers 50A65-5165 S0A56-956 S0A56 | | | | | |
| Trane Mfr. No. CNT03076, CNT03098, CNT05164, CNT05165, D341213P01, D341396P04, D3411396P05 White-Rodgers S0A65-5165 38XJ63 Vork Mfr. No. 255901, 255902, S1-03101662000, S1-03101266000, S103101267000, S1-03101267000, S1-03101267001, S1-03101267000, S1-0310126700, S1-031 | | | White-Rodgers | 50A55-3797 | 38XJ65 |
| S103101284000, S103101933000, S103101972000, S103109167000, S13310102956000, S133103010000 S103101284000, S103101933000, S103101972000, S103109167000, S13310102956000, S133103010000 S25878-751, Carrier-RK42F2004 RK42F2003 RK42F2016 RK42F2013 RK42F2013 RK42F2016 RK04828 SKPX4 RV3 | | Trane Mfr. No. CNT03076, CNT03098, CNT05164, CNT05165, D341213P01, D341396P03, D341396P04, D3411396P05 | White-Rodgers | 50A65-5165 | 38XJ63 |
| Furnace Control | | York Mfr. No. 265901, 265902, S1-03100662000, S1-03101250000, S1-03101266000, S103101267000, S1-03101267001, S103101267001, S1 | White-Rodgers | 50A56-956 | 38XJ64 |
| Control Module | Furnana | 325878-751, Carrier: HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016 | | ICM282B | |
| Module Goodman/Janifron: B18099-06, B18099-06, B18099-13, B180 | | Carrier: CES011005700, CES0110020, CES0110048, CES011005701, CES011005702, HH84AA016 | ICM | ICM281 | 5KPX3 |
| Drop In Direct Replacement Ignition Control for Goodman 0130F00005, 130F000058, B18099268, PCBBF110, PCBBF112, PCBBF112, PCBBF112, PCBBF112, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF1128, PCBBF128, PCBBF128, PCBBF128, PCBBF128, PCBBF128, PCBBF128, PCBBF128, PCBBF128, PCBBF138, PCBB | | Goodman/Janitrol: B18099-06, B18099-08, B18099-10, B18099-13, B18099-13S, UTEC: 1012- 933D. Texas Instruments: 41F-5. White-Bodgers: 50T35-730. 50T35-743 | ICM | ICM280 | 5KPX2 |
| Hot Surface Control PCBBF102, PCBBF122, PCBBF132, PCBBF1 | Integrated | Drop In Direct Replacement Ignition Control for Goodman 0130F00005, 0130F00005S, B1809926, B1809926S, PCBBF110, PCBBF110S, PCBBF112S, PCBBF123, PCBBF123S, White-Rodoers 50T55-289 and 50A55-289 | White-Rodgers | 50A55-743 | 29TH96 |
| LENIOX MODEIS 30W2301, 100923-01, 100923-02, 100923-03, 17W92, 17W9201, 23W3101, White Dedocre 50AGG 742 20TH04 | Hot Surface | Goodman Replacement Integrated Hot Surface Control 0130F00006, 0130F00006S, PCB00109, | White-Rodgers | 50M56-743 | 29TH95 |
| | CONTROL | | 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 ris | Contact Rating Noninductive | | | Pilot Duty | Watts | | ſ | | |
|--------------------|-----------------------------|--------------------------|----------|------------|--------|-------------|-------|-------|-------------|
| Description | Switch Action | Temp. Range (F) | 120/240V | 277V | 480V | 120/480V | 120V | 240V | Item No. |
| Thermostat SPST | Open on Rise | 90 to 150 | 30 A | 25 A | 12.5 A | (VA) 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/ | 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 |

Limit Control/Thermostats—

Factory assembled.

