










Furnace Control Modules

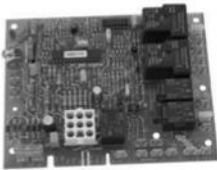






Fan Blower Controls - Direct OEM Replacement

	Features and Applications	Specifications	Replaces	Part Number
	<ul style="list-style-type: none"> Dual function fan delay timer Controls the circulating fan in a heat pump, A/C and forced air systems OFF delay purges ducts of residual air ON delay allows air to reach the proper comfort level prior to energizing the fan 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: Heat/cool speed N.O.: 20 amps @ 240 VAC N.C.: 10 amps @ 240 VAC Time Delays: Blower ON delay: 30 Seconds Blower OFF delay: 90, 120, 150, 180 seconds 	<p>Evcon: 2702-300 Rheem: 47-22827-01, 47-22827-81/82/83, 47-22828-01/02 Robertshaw: 695-003</p>	24-ICM270
	<ul style="list-style-type: none"> Reliable solid stat fan blower Specifically designed to replace popular gas furnace centers Pin selectable blower delays High power, relay output Dual function fan delay timer Controls the circulating fan in heat pump, A/C and forced air systems OFF delay purges ducts for residual air ON delay allows air to reach the proper comfort level prior to energizing the fan 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: N.O.: 20 amps N.C.: 10 amps Time Delays: Heat ON delay: 75 Seconds Heat OFF delay: 105 Seconds Cool OFF delay: 90 seconds 	<p>Carrier: 302075-3, CES0110017, CES0110018, HH84AA010, HH84AA011, HH84AA012, HH84AA013/020, P771-7002 Robertshaw: 695-100</p>	24-ICM271
	<ul style="list-style-type: none"> Cooling control module with fan delay Integral low voltage terminal board with field thermostat wiring Electronic air cleaner output High power, relay output DC output for fan relays and 1st stage of electric heater control Interlock circuitry prevents 2nd and 3rd stage electric heat energization without proper fan operation 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings N.O.: 20 amps N.C.: 10 amps Time Delays: Blower OFF delay: 60 Seconds 	<p>Carrier: HK61GA001, HK61GA003 Texas Instruments: 2FD-1</p>	24-ICM272
	<ul style="list-style-type: none"> Solid state output Silent operation, "no clicking" Controls the circulating fan in heat pump A/C and forced air systems OFF delay purges ducts of residual air 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Output: 2 amps @ 240 VAC Time Delays: Blower OFF delay: 60 Seconds 	EMI: 240000-969	24-ICM273
	<ul style="list-style-type: none"> Microprocessor-based fan blower control Built in humidity relay Manually adjustable post-purge off delay from 60-240 seconds Electric air cleaner output 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: Y out: 1.5 amps Fan-2 amps Elec. Heat Relay: 30 amps @ 240 VAC Time Delays: Blower OFF delay: 60-240 Seconds 	EMI: 240-1764	24-ICM274
	<ul style="list-style-type: none"> Heavy duty heat delay Purge ducts of residual air Integral short cycle protection 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: High: 20 amps @ 240 VAC Low: 10 amps @ 240 VAC Time Delays: Heat ON delay: 60 seconds Heat OFF delay: 60-240 seconds Cool OFF delay: 90 seconds 	<p>Carrier: HH84AA001, HH84AA003, HH84AA005, H84AA009, HH84AA014, H84AA015, HH84AA021 Robertshaw: 695-101</p>	24-ICM275
	<ul style="list-style-type: none"> Microprocessor based fan blower Inducer fan outputs Controls the circulator fan in gas/heat and A/C systems Off delay purges ducts of residual air 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: Fan: 20 amps @ 240 VAC Inducer Fan: 2 amps Time Delays: Heat ON delay: 60 seconds Heat OFF delay: 120, 150, 180 seconds Cool OFF delay: 90 seconds 	<p>Carrier: HK51GA003 Rheem: 47-23619-02, 47-23619-03 Robertshaw: 457-23619-03, RS100-833-02</p>	24-ICM276
	<ul style="list-style-type: none"> Microprocessor based fan blower For circulating fan in heat pump, A/C and forced air systems 	<ul style="list-style-type: none"> Voltage Range: 18-30 VAC Contact Ratings: Heat/Cool speed N.O.: 20 amps N.C.: 10 amps Time Delays: Blower ON delay: 7 Seconds Blower OFF delay: 65 Seconds 	Goodman: B1370735S	24-ICM277
	<ul style="list-style-type: none"> Controls blower motor and inducer Combines functionality of two boards into one Microprocessor-based precision Adjustable blower off delay Compatible with 24 VAC standard thermostat Max. Operating Humidity: 95% 	<ul style="list-style-type: none"> Terminals: 120/240 VAC: N1-N5, S1-S5, H, L, L1, D1 18-30 VAC, Y, G, W, C, R, W2, X, HL, PS1, PS2 Operating Temperature: 40F to +176F Time Delays: Heat ON: 60 Seconds Heat OFF: 60-200 Seconds Cool OFF: 40 Seconds 	<p>Carrier: HH84AA017, HH84AA018</p>	24-ICM278



Furnace Control Modules

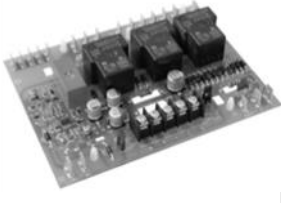



Fan Blower Controls - Direct OEM Replacement

Features and Applications	Specifications	Replaces	Part Number
 <ul style="list-style-type: none"> • Low cost, direct replacement board for Goodman, Janitrol, TI, White-Rodgers and UTEC • Microprocessor based design for precise timing • Functions with all 24 VAC thermostats • For 80+ and 90+ applications • UL recognized 	<ul style="list-style-type: none"> • Voltage Range: Line (98 to 132 VAC) @ 60Hz • Cool Blower: 10A, 2 HP, 240 VAC • Heat: 5A, 240 VAC • Inducer Motor: 4A, FLA-8.0 LRA @ 120 VAC • Gas Valve: 1.5A @ 30 VAC • Heat Blower on Delay: 30 Seconds • Heat Blower Off Delays: 90, 120 and 150 Sec • Cool Blower On Delay: 5 Sec • Cool Blower Off Delay: 60 Sec 	<p>Goodman: B1809906/08/10/13/13S UTEC: 1012-933D Texas Instruments: 41F-S White-Rodgers: 50T35-730/743</p>	<p>24-ICM280</p>
 <ul style="list-style-type: none"> • Low cost, direct replacement board for Carrier CESO11005700/01/02 • Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner • Microprocessor-based for precise timing • Functions with all 24 Vac thermostats • Designed for 100% gas shutoff un case of ignition failure • Twinning compatible with another ICM281 board 	<ul style="list-style-type: none"> • Voltage Range: Line (98 to 132 VAC) @ 60Hz • Cool Blower: 10A, 2 HP, 240 VAC • Heat: 5A, 1/2 HP, 240 VAC • Inducer Motor: 4A, FLA-8.0 LRA @ 120 VAC • Gas Valve: 1.5A @ 30 VAC • Heat Blower on Delay: 40 Sec • Heat Blower Off Delays: 90, 135, 180, and 225 Sec • Fan (Low) On/Off: 1-sec • Cool Blower On Delay: 5 Sec • Cool Blower Off Delay: 90 Sec 	<p>Carrier: CESO110057-00/01/02</p>	<p>24-ICM281</p>
 <ul style="list-style-type: none"> • Low cost, direct replacement for Carrier HK42FZ004/007/008/009/011/013/016 • Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner • Microprocessor-based • Designed for 100% gas shutoff in case of ignition failure • Twinning compatible with another ICM282 board • Diagnostic fault codes (blinking LED) to aid in troubleshooting 	<ul style="list-style-type: none"> • Voltage Range: Line (98 to 132 VAC) @ 60 Hz • Cool Blower: 10A, 2 HP, 240 VAC • Heat: 5A, 1/2 HP, 240 VAC • Inducer Motor: 4A, FLA-8.0 LRA @ 120 VAC • Gas Valve: 1.5A @ 30 VAC • Heat Blower On: 60 sec • Heat Blower Off: 90, 120, 150, and 180 Sec • Fan (Heat) On/Off: 1 sec • Cool On: 2 sec • Cool Off: 90 Sec with jumper JW2 uncut; 5 seconds with jumper JW2 cut 	<p>Carrier: HK- 42FZ004/007/008/009/011/013/016</p>	<p>24-ICM282A</p>
 <ul style="list-style-type: none"> • Microprocessor based • Controls vent motor, blower control, hot surface ignitor and gas valve • Monitors timing, trial for ignition, flame sensing and lockout • Diagnostic LED's to aid in testing/troubleshooting 	<ul style="list-style-type: none"> • Line Voltage: 208 VAC @ 60 Hz • Ignitor: 5A resistive @ 208 VAC • Cool Blower: 30A, 2HP @ 240 VAC • Heat Blower: 10A, .5HP @ 250 VAC • Inducer Motor: 4A, 120 VAC • Gas Valve: 4A @ 24 VAC • Compressor: 5A resistive @ 24 VAC 	<p>York: SI-03101280000</p>	<p>24-ICM284</p>
 <ul style="list-style-type: none"> • Controls the gas valve, inducer draft motor, circulating blower and hot surface ignitor • Monitors system pressure and limit switches • Microprocessor based precision • Twinning compatible with another ICM286 Control board • Diagnostic LED's aid in testing and troubleshooting 	<ul style="list-style-type: none"> • Voltage Range: Line (98-132 VAC) @ 60Hz • Cool Blower: 30A, 2 HP, 240 VAC • Heat: 20A, 240 VAC • Inducer Motor: 4A FLA, 8A LRA @ 120 VAC • Ignitor: 10A FLA @ 120 VAC • Electric Air Cleaner: 5 amps @ 120 VAC • Trial for Ignition: 7 Sec • Pre-purge Time: 15 Sec • Ignitor Warm Up Time: 7 Sec • Post-Purge Time: 15 Sec • Total Trials for Ignition: 3 (auto rest after 1 hour) • Heat Blower On: 30 Seconds • Heat Blower Off: Selectable 90/120/150/180 Sec • Fan (Heat) On/Off Delay: 1 Sec • Cool On: 5 Sec • Cool Off: 45 Sec 	<p>Goodman: PCBB-F112S, B18099-26S, 0130F00005S</p>	<p>24-ICM286</p>
 <ul style="list-style-type: none"> • Microprocessor based • Controls inducer and blower control • Monitors timing and gas valve • Diagnostic LED's to aid in testing/troubleshooting 	<ul style="list-style-type: none"> • Line Voltage: 120 VAC @ 60 Hz • Control Voltage: 24 VAC @ 60 Hz • Heat Blower: 10A @ 120 VAC • Cool Blower: 30A @ 120 VAC • Inducer Motor: 30A, 120 VAC 	<p>Goodman: B18099-04</p>	<p>24-ICM287</p>
 <ul style="list-style-type: none"> • Microprocessor-based design • Monitors pressure, roll-out and limit switches • Controls gas valve, inducer draft motor circulating blower and hot surface ignitor • Reverse polarity detection • Twinning compatible with other ICM288 control boards • Diagnostic LED's for testing/troubleshooting 	<ul style="list-style-type: none"> • Voltage Range: Line 98-132 VAC @ 60Hz • Ignitor: 5A, 120 VAC • Cool Blower: 10A, 2HP, 240 VAC • Heat: 5A, 1/2 HP, 250 VAC • Inducer Blower: 4A, 120 VAC • Gas Valve: 1A, 24 VAC • Electronic Air Cleaner: 1A, 120 VAC 	<p>Rheem: 62-24084-82</p>	<p>24-ICM288</p>



Furnace Control Modules


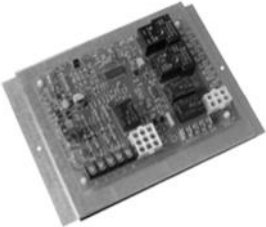


Fan Blower Controls - Direct OEM Replacement

Features and Applications	Specifications	Replaces	Part Number
	<ul style="list-style-type: none"> Low cost, direct replacement board for Lennox Controls inducer fan motor, blower fan and monitors limit switches Microprocessor based design Functions with all 24 VAC thermostats 	Lennox: 45K98, 45K48, 60H08, 65K29, G20, G23, G26, 023, 0F23, 0HR, BCC1, BCC2, BCC3	24-ICM289
	<ul style="list-style-type: none"> Direct Spark Ignition (DSI) control board Microprocessor-based Controls combustion, blower and indoor motor; spark ignitor and the gas valve Monitors timing, trial for ignition and lockout 100% lockout safety feature Compatible with LP or natural gas Status LED for fault codes to aid in troubleshooting 	Carrier: LH-33WP003/3A	24-ICM291
	<ul style="list-style-type: none"> Direct Spark Ignition (DSI) control board Microprocessor-based Controls Induced Draft and indoor blower motors; humidifier output, spark ignitor and gas valve Monitors timing, trial for ignition and lockout 100% lockout safety feature Compatible with LP or Natural gas Status LED for fault codes to aid in troubleshooting 	Rheem: 62-24140-04	24-ICM292
	<ul style="list-style-type: none"> Controls vent motor, blower controls, hot surface ignitor and gas valve Monitors timing, trial for ignition, flame sensing and lockout Microprocessor-based Reverse polarity protection 100% lockout safety feature Compatible with LP or natural gas Status LED for fault codes to aid in troubleshooting Twinning compatible with another ICM2801 control 	York/ Evcon: 7990-319	24-ICM2801



Furnace Control Modules

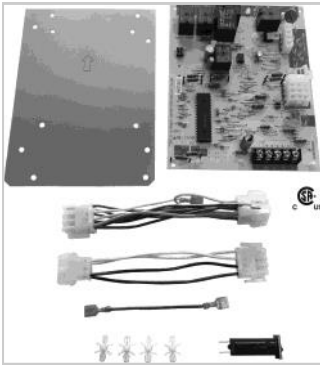
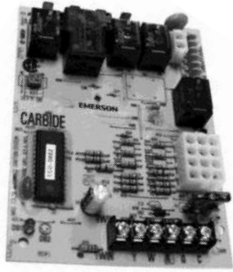
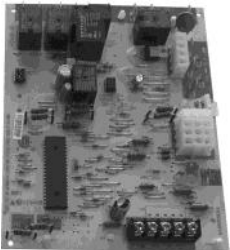

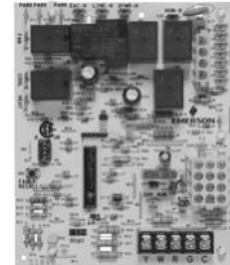
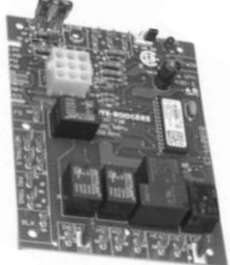


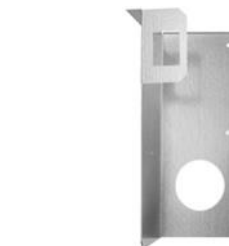

Fan Blower Controls - Direct OEM Replacement

Features and Applications	Specifications	Replaces	Part Number
 <ul style="list-style-type: none"> • Low cost form, fit and functional replacement for Carrier: CES0110074-01 • Microprocessor-based • Controls vent motor and blower control • Monitors limit switch, pressure switch and gas valve • 100% lockout safety feature • Compatible with LP or Natural Gas • Status LED for fault codes to aid in troubleshooting 	<p>Electrical:</p> <p>Line Voltage Range: 98-132 VAC @ 60 Hz</p> <p>Cool Blower: 20A, 2 HP, 240 VAC</p> <p>Heat: 10A, 240 VAC</p> <p>Inducer Motor: 4A FLA, 8A LRA @ 120 VAC</p> <p>Timing:</p> <p>Inducer Pre-Purge Time: 1Sec</p> <p>Heat Blower On Delay: 45 Sec</p> <p>Heat Blower Off Delay: 120 or 180 Sec</p> <p>Cool Blower On Delay: 1 Sec</p> <p>Cool Blower Off Delay: 1 Sec</p>	<p>Carrier: CES0110074-00, CES0110074-01</p>	<p>24-ICM2804</p>
 <ul style="list-style-type: none"> • Low cost form, fit and functional OEM replacement control board for Nordyne: 903106-kit • For use with G3, G4, G5, G6, M2 and M3 furnace modules • Controls gas valve, inducer draft motor, circulating blower and hot surface ignitor • Monitors timing, trial for ignition, flame sensing, lockout, plus pressure, rollout and limit switches • Microprocessor-based precision • Twinning compatible with another ICM2805A furnace control • Diagnostic LEDs aid in testing and troubleshooting 	<p>Line Voltage Range: 120/240 VAC @ 60 Hz</p> <p>Ignitor: 5 A, 120 VAC</p> <p>Cool Blower: 10A 2HP, 240 VAC</p> <p>Heat: 5A, 1/2HP, 250 VAC</p> <p>Inducer Blower: 4A, 120 VAC</p> <p>Gas Valve: 1A, 24 VAC</p> <p>Humidifier Motor: 0.5A, 24 VAC</p> <p>Electronic Air Cleaner: 1A 120 VAC</p>	<p>Nordyne: 903106-Kit</p>	<p>24-ICM2805A</p>
 <ul style="list-style-type: none"> • Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner • Microprocessor-based precision • Designed for 100% gas shutoff in case of ignition failure • Twinning compatible with another ICM2807 control • Reverse polarity protection • Secondary brownout voltage protection • Compatible with 24 VAC Standard thermostat • Continuous Blower Speed Jumper • Limit Switch Lockout Time • Limit Switch Lockout After Power Interruption • Self-Diagnostics • Provides diagnostic 	<p>Ambient Temperature</p> <p>Operating: -40F to 176 F</p> <p>Humidity: 5% to 95% RH (non-condensing) @ +55F</p> <p>Voltage Range: Line (98 to 132 VAC) @ 60Hz</p> <p>Ignitor: 5A @ 120 VAC</p> <p>Cool Blower: 10 HP, 120 VAC</p> <p>Low Heat: 5A, 1/2 HP, 120 VAC</p> <p>High Heat: 10A, 1HP, 120 VAC</p> <p>Inducer Motor: 4A, FLA-8.0 LRA @ 120 VAC</p> <p>Gas Valve: 1.5 @ 30 VAC</p> <p>EAC: 1A@120 VAC</p> <p>Humidifier: 0.5A & 24 VAC</p>	<p>Carrier: HK42FZ005, HK42FZ010, HK42FZ015, HK42FZ017</p>	<p>24-ICM2807</p>
 <ul style="list-style-type: none"> • The ICM2808 is a low cost fit, form and functional replacement for the York S1-331 -03010000 and S1-02956000 furnace control boards • Controls gas valve, Ignitor, blower motor, Inducer, humidifier, and air cleaner • Microprocessor-based precision • Designed for 100% gas shutoff in case of ignition failure • Twinning compatible with another ICM2808 control • Reverse polarity protection • Secondary brownout voltage protection • Compatible with 24 VAC standard thermostat • Provides dual-color diagnostic LED to aid in troubleshooting 	<p>ELECTRICAL RATINGS</p> <p>Voltage Range: Line (98 to 132VAC) @ 60Hz</p> <p>Control Voltage Range: 18-30VAC @ 60Hz</p> <p>Relay Outputs: Meets or exceeds OEM board</p> <p>TIMING</p> <p>Heat Blower On Delay: 30 Sec</p> <p>Heat Blower Off Delay: 90-180 Sec</p> <p>ENVIRONMENT</p> <p>Ambient Temperature</p> <p>Operating: -40F to 176F</p> <p>Storage: -40 to 185F</p> <p>Humidity: 5% to 95% RH (non-condensing) @ +55F</p>	<p>York: S1-331-03010000, S1-331-02956000</p>	<p>24-ICM2808</p>



Furnace Control Modules

Integrated HSI Module - Direct OEM Replacement

OEM	Replaces	Part Number
 <p>21D83M-843</p>	<p>Lennox: 10M9301, 12L6901, 32M8801, 56L8401, 24L8501, 63K8901, 97L4801, 100925-01, 100925-03, 17W9201, 23W5101, 30W2501, 69M0801, 69M1501, 83M00</p> <p>White Rodgers: 50A65-120, 50A65-121, 50A62-120, 50A62-121, 50A62-820, 21D83M-843, 50A66-122, 50A66-123</p>	21D83M-843
 <p>50A55-743</p>	<p>Goodman: 0130F00005, 0130F00005S, B1809926, B1809926S, PCBBF110, PCBBF110S, PCBBF112, PCBBF112S, PCBBF123, PCBBF123S</p> <p>White Rodgers: 50A55-289, 50T55-289</p>	50A55-743
 <p>50A66-743</p>	<p>Goodman: 0130F00006, 0130F00006S, PCB00109, PCBBF109, PCBBF109S, PCBBF122, PCBBF122S, PCBBF132, PCBBF132S</p> <p>White Rodgers: 50M56-289</p>	50M56-743
 <p>50M56-743</p>	<p>Goodman: B18099-06, B18099-08, B18099-10, B18099-13, B18099-13S, CNT04664</p> <p>White Rodgers: 50T35-730, 50T35-730-1</p>	50T35-743
 <p>50A66-743</p>	<p>Lennox: 100925-01, 100925-02, 100925-03, 17W92, 17W9201, 23W51, 23W5101, 30W25, 30W2501, 69M08, 69M0801, 69M15, 69M1501</p> <p>White Rodgers: 50A66-122, 50A66-123</p>	50A66-743
 <p>50M56U-801</p>	<p>100973-01*, 100973-02*, 1012-83-9673A, 1012-967, 1012-968, 1012-969*, 1012-969A*, 1012-977A, 103085-01, 103085-02, 103085-03, 103098-01, 1195-83-100A, 1195-100, 12L4201, 17W70*, 50A55-120, 56L8501, 56W19, 74W03, 75M1701*, 78M1701*, 78M4701*, 80M2701, 81W03*, 81W11, 94W83, R47582-0011</p> <p>*Requires 120V Ignitor 21D64-2</p>	50M56U-801
 <p>50M56U-801</p>	<p>Trane: CNT02789, CNT02891, CNT03799, D341122P01, D341235P01, D341235P03</p> <p>White Rodgers: 50A55-474, 50A55-476, 50A55-571</p>	50A55-3797
 <p>50T35-743</p>	<p>Trane: CNT03076, CNT03798, CNT05164, CNT05165, D341213P01, D341396P01, D341396P03, D341396P04, D341396P05</p> <p>White Rodgers: 50A65-474, 50A65-475, 50A65-476, 50A65-5165</p>	50A65-5165
 <p>50A55-3797</p>	<p>York: 265901, 265902, S1-03100662000, S1-03101250000, S1-03101266000, S1-03101267000, S1-03101267001, S1-03101284000, S1-03101933000, S1-03101972000, S1-03101973000, S1-03109167000, S1-33102956000, S1-33103010000</p> <p>White Rodgers: 50A56-242, 50A56-243</p>	50A56-956
 <p>50A56-956</p>		

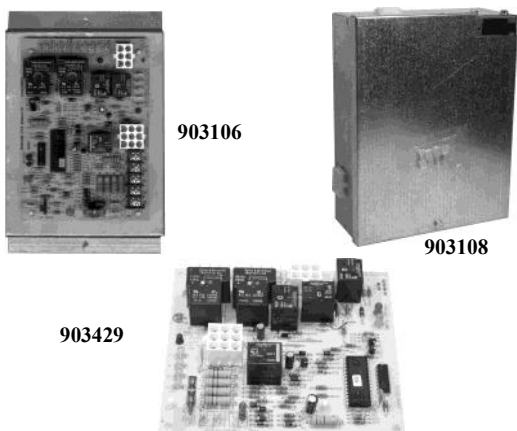


Flame Sensors, Ignition Wire & Terminals

**White
Rodgers**

Furnace Control Modules

Integrated Furnace Control Module - Direct OEM Replacement For Nordyne



OEM	Replaces	Part Number
Frigidaire	G3RC & All G4, G5, G6 models	903106
Frigidaire	Complete Control Box for G3RA, G3RK models (includes disconnects)	903108
Frigidaire	G7SA, G7SK, G7SC, G7SL models	920915
Frigidaire	G7TA, G7TC models	920916
Frigidaire	Intertherm & Miller M1 Series: 233089, 624602, 624602-B, 624602-0, 624640, 1012-83-9282A	903429
Trane White Rodgers	Trane: CNT03076, CNT3076, CNT03798, CNT3798, CNT05164, CNT5164, CNT05165, CNT5165, D341213P01, D341396P01, D341396P03, D341396P04, D341396P05, White-Rodgers 50A65-474, 50A65-475, 50A65-476	CNT5165

Universal Two Stage Integrated 3 Speed (PSC) Circulator Furnace Control Kit - HSI



- 120 VAC Outputs For: Ignitor, 2-speed inducer, humidifier, electronic air cleaner and 3-speed PSC circulator
- Features 2-stage gas valve output, fuse protection, status LED's, heat fan off delay, fan on delay for cooling, auto second stage delay, pushbutton historical fault retrieval, pressure switch inputs and monitoring, flash microprocessor with non-volatile memory and flame current measurement points
- **See Cross Reference For All Models This Replaces**

Kit Includes	Replaces	Brand	Part Number
<ul style="list-style-type: none"> • Ignition Control Module • Universal 120V Nitride Ignitor Kit #21D64-2 • Installation Instructions and Cross Reference 	White Rodgers 50M51-242 and all 50M61-XXX Two Stage HSI Systems with 80V or 120V Ignitor	White Rodgers	21M51U843

Universal Two Stage Integrated Variable Speed (ECM) Circulator Furnace Control Kit - HSI

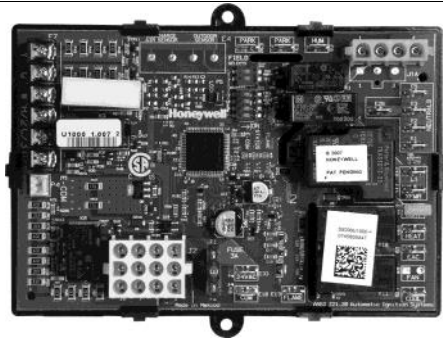


- 120 VAC Outputs For: Ignitor, 2-speed inducer, humidifier and electronic air cleaner
- Features 2-stage gas valve output, 16 pin variable speed circulator output, OEM application-dipswitch selectable, fuse protection, status LED's, CFM LED, heat fan off delay, fan on delay for cooling, auto second stage delay, pushbutton historical fault retrieval, pressure switch inputs and monitoring, flash microprocessor with non-volatile memory and flame current measurement points
- **See Cross Reference For All Models This Replaces**

Kit Includes	Replaces	Brand	Part Number
<ul style="list-style-type: none"> • Ignition Control Module • Wiring Harnesses for Amana/Goodman • Universal 120V Nitride Ignitor Kit #21D64-2 • Installation Instructions and Cross Reference 	White Rodgers 50V51-XXX and 50V61-XXX Two Stage HSI Systems with 80V or 120V Ignitor	White Rodgers	21V51U843

Furnace Control Modules

Universal Hot Surface Ignition Integrated Furnace Control - HSI



Times in Seconds Unless Stated

- Use in most single stage gas heating and cooling appliances
- Keyed wire harnesses allows replacement of most furnace controls
- EnviraCOM™ enabled to work with local or remote monitoring and diagnostic systems, troubleshooting and system control
- Critical errors are immediately dialed out when connected to a Telephone Access Module and displayed on the VisionPRO® IAQ
- Can be used with conventional thermostats
- Provides twinning capability
- LED's provide system status, performance and diagnostic indication
- Provides twinning capability
- **See Cross Reference For All Models This Replaces**

Pre-Purge	Trial for Ignition	Auto Restart Delay	Ignition Recycles	Inter-Purge	Post-Purge	Flame Failure Response	Heat On Delay	Heat Off Delay	Cool On Delay	Cool Off Delay	Retries	Brand	Part Number
30	4, 6, or 8	1 hour	3 (4 total)	60	15	2	30 or 60	60, 90, 120 or 180	5	0 or 60	2 (3 total)	Honeywell	S9200U1000

S9200U1000 REPLACES THESE INTEGRATED FURNACE CONTROLS

Amana/ Goodman	10207704, 10207706, 10207714, 10207719, 102077-02, 102077-03, 102077-04, 102077-09, 102077-19, 1809913, 10207701, 10207702, 10207703, 10207710, B1809913, B18099-13
ICM	ICM280
ICP	1010806, 1380686, 1380698, 1380699, 1380-686, 1380-699
Lennox	X445901, 1214201
Nordyne	624591, 624557, 624564, 624628, 902378, 902696, 903106, 6245570, 6245640, 6246310, 624557-0, 624591A, 624591-A, 624591-B, 624591-C, 624591-D, 624628-0, 624631-0, 624631A, 624631-A, 624631-B, 710128A, CAR903106
Other Manufacturers	350486, 8068142, 8068561, 8068563, 10334901, 99958174, 99958175, X13120666010
Rheem/ Robertshaw	62-24268-01, 62-24268-02, 62-24268-03, 695-200
Texas Instruments	41F-5, 61F3, 6DT-1, 6DT-2
Trane	CNT03740, CNT1309, CNT1616, CNT1848, CNT1849, CNT2181, CNT2182, CNT2183, CNT2789, D340790P01, D341122P01, D330927P01, D330930P01, D330934P01, D340035P01, D340354P01, D340774P01, D341235P01
United Technologies	1012-83-9336AHSC1, 1012-83-9337A, 1012-83-9651B, 1012-925A, 1012-925B, 1012-925C, 1012933D, 1012-933D, 1012955A, 1012-955A
White-Rodgers	50A50-130, 50A50-131, 50A50-208, 50A50-210, 50A50-215, 50A50-216, 50A50-229, 50A50-240, 50A50-245, 50A50-298, 50A50-407, 50A50-472, 50A50-475, 50A55-245, 50A55-250, 50A55-288-05, 50A50-110, 50A50-111, 50A50-112, 50A50-113, 50A50-142, 50A50-143, 50A50-205, 50A50-206, 50A50-207, 50A50-209, 50A50-230, 50A50-241, 50A50-285, 50A50-286, 50A50-288, 50A50-295, 50A50-296, 50A50-405, 50A50-406, 50A50-408, 50A50-438, 50A50-471, 50A50-473, 50A50-474, 50A50-571, 50A55-120, 50A55-143, 50A55-241, 50A55-285, 50A55-286, 50A55-288, 50A55-438, 50A55-474, 50A55-571, 50A55-843, 50T35730, 50T35-730, 50T35743, 50T35-743
York	3101250000, 5253733900, 43101972100, 52537074000, 52537077000, 031.01234.000, 031-00662000, 031-01250-700, 031-01266-700, 031-01267-00, 331-09167-000, 431-01972-100, 31011140002, 031-00662, 031-00662, 031-00662-000, 031-00662-700, 031-01140-000, 031-01140-001, 031-01140-002, 031-01140-701, 031-01140-702, 031-01234-700, 031-01235-000, 031-01235-700, 031-01250-000, 031-01266-000, 031-01267-000, 031-01267-001, 031-01267-001A, 031-01284-000, 031-01933-000, 031-01972-000, 031-01973-000, 031-02166-000, 031-09166-000, 031-09167-000, 331-01933-000, 331-01972-200, CAR03101973000, CAR33101972200, CAR50A55843, G951ADB1401, G951ADB1401C, G951ADB-1401C, G951ADB1402, G951ADB-1402, G951AEB-1403, P03101267001, P031-01267-001, PTH031011400-00



Flame Sensors, Ignition Wire & Terminals

Honeywell

Furnace Control Modules

Universal Hot Surface Ignition Integrated Furnace Control Kit - HSI



Includes Universal Nitride Ignitor Kit #21D64-2

- Universal single stage HSI integrated furnace control kit can be used in both 80V and 120V ignitor applications
- 3 Fan Speeds - Cool, Low Heat & High Heat
- Color coded thermostat connection
- System diagnostics with fault recall (stored)
- Cover label displays diagnostic table
- LED light for diagnostic flash codes
- Low voltage, fuse protection, 3A replaceable automotive type
- Optional Electronic Air Cleaner & Humidifier connections
- **See Cross Reference For All Models This Replaces**

Kit Includes	Replaces	Brand	Part Number
<ul style="list-style-type: none"> • Ignition Control Module • 12 Quick Select/Quick Connect Wiring Harnesses • Universal Nitride Ignitor Kit #21D64-2 • Installation Instructions and OEM Cross Reference 	Virtually All White Rodgers & Competitive Single Stage Carbide and Nitride HSI Systems Including Carrier: HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ016 <i>See Cross Reference For Complete Listing</i>	White Rodgers	50M56U-843

Universal Nitride Integrated Furnace Module - HSI



All Times in Seconds

- Automatic ignition control that employs a microprocessor that continually monitor, analyzes and controls the proper operation of the gas burner, inducer & fan
- Replaces all 50A65-XXX integrated ignition nitride modules by White Rodgers
- Includes additional jumper wires & wiring harness, a jumper for Trane applications and a 3/16" terminal for Lennox (only)
- Terminals for powering a humidifier and an air cleaner
- Diagnostic LED
- **See Cross Reference For All Models This Replaces**

Pre-Purge	Trial for Ignition	Ignition Activation Period	Valve Sequence	Inter-Purge	Post-Purge	Lock-Out Time	Heat On Delay	Heat Off Delay	Cool On Delay	Cool Off Delay	Retries	Brand	Part Number
30	4	4	12	60	15	300	30,45	60,90,120,180	5	45,90	2 tries	White Rodgers	50A65-843

Single Stage Integrated HSI Furnace Control Kit



- Carrier
- Replaces White Rodgers 50M56-751 and virtually all carrier single stage HSI Controls with 120V Ignitors
- Controls Gas Valve, Ignitor, Blower, Inducer, Humidifier (both 120V & 24V) and Air Cleaner
- System Diagnostic LED with Fault recall
- Fused to protect low voltage system transformers
- Low-speed continuous fan option
- Self-test installation routine

Kit Includes	Replaces	Brand	Part Number
<ul style="list-style-type: none"> • Ignition Control Module • Installation Instructions and OEM Cross-Ref • Set of Interconnect Harnesses • Bag of Accessories 	325878-751, HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016, HK42FZ034	White Rodgers	50M56U-751