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APPLICATION SELECTION AND CROSS-REFERENCE GUIDE

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UNIVERSAL PRODUCTS

Time is money. Resideo's universal product portfolio gives you the right parts for the job. You and your techs complete more jobs, make fewer trips to the supply house, and can maximize your day—and your money.

Universal Product

Residential Combustion Universal Products Recommended Inventory Guide

Product Line	Universal Service Part	U.S. Northeast	U.S. Mid-Atlantic	U.S. North-NW	U.S. South-SE	U.S. West	Canada Eastern	Canada Central - West	Direct Service Part Replacement (Gas Valves)
Ignition Controls	S9200U1000	10	10	10	10	10	6	6	
	S8610U3009	24	24	24	12	12	24	24	
	S8910U3000	10	10	10	3	6	6	6	
	Y8610U4001	4	4	4		6			
	Y8610U6006	6	6	6		6	2	2	
Igniters	Q3200U1004	20	20	20	20	20	20	20	
	Q3200U2002	6	6	6	6	6	6	6	
Warm Air Limit	ST9120U1001	12	12	12	6	6	12	8	
Thermocouple	Q340A1090 (U.S.)	100	100	100	20	20	100	100	
	Q340A1439 (Canada)	100	100	100	20	20	100	100	
	VR8200A2322 (Canada)						6	10	
	VR8200H1236 (Canada)						12	12	
Gas Valves	VR8345M4302	12	12	12	6	8	8	12	VR8304M3509
		12	12	12	6	8		12	VR8304M4507
		12	12	12	6	8		12	VR8305M3506
	VR8300M4406	12	12	12	3	6	4	6	VR8300A4508
		12	12	12	3	6		6	VR8300A3500
	VR8245M2530	3	3	6		2	6	8	VR8204A2076
		3	3	6		2		8	VR8204M1091
		3	3	6		2		8	VR8205A2024
	VR8345K4809	3	3	3					VR8205H1003
		3	3	3					VR8304H4503
	VR8345Q4563				2	NA	NA		VR8205Q2555
					2	NA	NA		VR8304Q4511
					2	NA	NA		VR8305Q4500
Hydronic Controls	L7224U1002	18	18		NA	NA	12	8	
	W8735Y1000	6	6		NA	NA	6	4	
	W8735S1008	6	6		NA	NA	6	4	
Oil Controls	R7284U1004	10	10	4	NA	NA	12	4	
Universal Pilot Burners	Q314U1001	12	6	12	6	12	12	12	
	Q345U1005	12	6	12	6	12	12	12	
	Q348U1009	12	6	12	6	12	12	12	
	Q3451U1000	12	6	12	6	12	12	12	

RECOMMENDED BRANCH INVENTORY

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WATER LEAK & FREEZE DETECTOR

Offer your customers peace of mind through audible alerts about water leaks. The Water Leak Alert notifies homeowners about potential leaks in their homes from gas storage water heaters.

DETECTION & PROTECTION

The average water leak causes $7000 in damage*. Audible alerts from the Water Leak Alert can help reduce a homeowner's risk of costly repairs. The Water Leak Alert can be hardwired to self powered water heaters with Resideo gas valves to turn the main burner off when a water leak is detected. That way, homeowners have a secondary alert if they don't hear the primary audible alert.

COST-EFFECTIVE

Perfect for homeowners who want a no-frills solution. The Water Leak Alert will audibly alert them at the first sign of a leak.

EXPANDABLE

The Water Leak Alert includes a 5-ft. water sensing cable that detects leaks across its entire length. Additional cables can be added for expanded coverage.

FEWER CALLBACKS

Battery operation makes maintenance easy for the homeowner.

EASY UPSELL

Because homeowners are more aware of leaks when replacing a leaky water heater, they're more likely to purchase a Water Leak Alert with a new water heater and have it all installed at the same time.

EASY SETUP

No special tools are required to set up the unit. Simply mount it to the side of the water heater or place by another water source prone to leaks.

REUSABLE

The water leak cable is reusable after detecting an incident.

PRODUCT FEATURES

Battery	2AA Alkaline (included)
Battery Life	Up to 5 years w/o incident
Dimensions	3.6" W x 3.6" H x 1.25" D
Weight	0.32 lbs
Cable Sensor Accessory	5 ft
Buzzer Alarm	100 dBA
Ingress Protection Rating	IP44*

WHAT'S INCLUDED

PRODUCT

PRODUCT	MODEL #
Water Leak & Freeze Detector	WHLDT1000
Accessory Cable Sensor (4 ft)	CHWES41013

Feature Resideo	Water Leak Alert
Primary Notification	Audible Alarm
Secondary Notification	Stops heating water/ Connect to Prestige® IAQ
Integrated with Water Heater (gas storage water heater)	Yes
Leak Sensor	Spot Sensor & Rope Sensor
Leak Coverage Area	Extended coverage – Can be increased up to 240 ft
Powered by	2AA (included)
Battery Life	5+ years
Shuts off Water Heater Burner	Yes
Installation	Easily mounted to water heater away from ground

* American Insurance Association

For a complete cross reference, please visit **customer.resideo.com**

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WT88 SERIES GAS WATER HEATER CONTROL

Stock less. Sell more. With Resideo Water Heater Controls, only eight models are needed to replace multiple A.O. Smith, Bradford White, and Rheem controls. Consolidate your inventory while expanding your sales opportunities and capturing more business.

With nationwide availability and the easy selection process, you'll save time and make more profits per job — all while delivering great value and quality for your customers.

Service Benefits

SERVICE FOR ALL BRANDS

Models will service most water heaters manufactured in the last 10 years.

NATIONAL DISTRIBUTION

Convenient for contractors as controls are available at most leading distributors.

Product Highlights

STATUS LED

Trims repair time by up to 30 minutes.

RESETTABLE EMERGENCY TEMPERATURE CUTOFF

Reduces cost and labor time by eliminating valve replacement.

LARGER PILOT FLAME

Reduces customer callbacks.

ACCURATE TEMPERATURE SENSING

Improves comfort and eliminates scalding risk.

ANTI-SCALDING ALGORITHMS

Protects children and elderly from water exceeding the set-point.

Aftermarket SKUs	Resideo OEM Part Number	OEM part NO	OEM Part NO Replacements	OEM
WT8840A1000 1" insulation tank, 4" WC setting	WV8840A1000 WV8840A1001	222-47463-01A 222-47463-01E	415-52907-01	Bradford White
WT8840A1500 2" insulation tank, 4" WC setting	WV8840A1050 WV8840A1051	222-47463-02A 222-47463-02E	415-52907-02	Bradford White
WT8860A1000 2" insulation tank, 5" WC setting - ULN	WV8860A1009 WV8860A1010	222-48863-01	415-52915-01	Bradford White
WT8840B1000 1" insulation tank, 5" WC setting	WV8840B1042 WV8840B1109 WV8840B1110	316910-000 316910-000 321166-000	100112336 9007884005	A.O. Smith
WT8840B1500 2" insulation tank, 5" WC setting	WV8840B1059 WV8840B1117 WV8840B1118	316910-001 316910-001 321166-001	100112337 9007885005	A.O. Smith
WT8860B1000 2" insulation tank, 5" WC setting - ULN	WV8860B1309 WV8860B1310	100073010 318618-000	100093970 9007631005	A.O. Smith
WT8840C1000 1.5" insulation tank, 4" WC setting	WV8840C1406	AP16910E	SP20832E	Rheem
WT8840C1500 2" insulation tank, 4" WC setting	WV8840C1605	AP16910B	SP20832B	Rheem

GAS VALVES

Resideo has taken the guesswork out of gas valve selection with our complete line of universal gas valves. Contractors appreciate the reliability, ease of installation and time saved by carrying a select few gas valves on their truck. Carrying Resideo Universal gas valves on each truck reduces the amount of inventory needed so technicians can complete the job in one trip.

VR8345/VR8245

UNIVERSAL ELECTRONIC IGNITION GAS VALVE

- Wide-capacity controls for almost any IP, HSI or DSI gas-fired appliances
- Compact fit simplifies field replacement
- Use with 24 Vac, 50/60 Hz, heating appliances, using natural, manufactured or LP gas
- Use the VR8345Q for a two-stage application, VR8345M for a standard and VR8345K for a slow-opening application
- Capacities from 20 to 200 (VR8245) cfh or 30 to 415 (VR8345) cfh natural gas
- Dual-redundant gas valve design

VR8300

UNIVERSAL STANDING PILOT GAS VALVE

- Combination gas controls for use in 24 Vac, 50/60 Hz, gas-fired, standing pilot appliances with capacities from 30 to 300 cfh natural gas
- Includes safety shutoff, manual valve, two automatic operators, pressure regulator and pilot adjustment
- Replacement for most Resideo and competitive standing pilot valve models
- Dual-redundant gas valve design

VR8215

DIRECT IGNITION GAS VALVE

- Combination gas controls for use in 24 Vac, 50/60 Hz, direct ignition, gas fired appliances
- Capacities from 15 to 200 cfh natural gas
- VR8215S for a single stage standard opening application; VR8215T for a single stage slow opening application
- Adjustable mounting
- 2.3 inch swing radius
- Dual-redundant gas valve

Gas Valves Selection Guide

TRADE REPLACEMENTS* / SPECIFICATIONS / ACCESSORIES INCLUDED

Universal Service Part	Direct Service Part Replacement	Opening Characteristics (standard, step)	Inlet/Outlet Size (in.)	Pressure Regulator Setting (psi)	Temperature Range	Q340 Thermocouple	3/4" x 1/2" Reducer Bushing	Natural to LP Conversion Kit	3/4" Straight Flange	1/2" x 3/8" Reducer Bushing	Remote Rod Adapter
VR8345M4302	VR8345M4302	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
	VR8304M3509	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	One	One	None	None	None
	VR8304M4507	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
	VR8305M3506	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	One	One	One	None	None
VR8345K4809	VR8345K4809	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175°F (-40° to 79° C)	None	Two	One	None	None	None
	VR8205H1003	Slow	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	None	None	None	None
	VR8304H4503	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	None	None	None
VR8345Q4563	VR8345Q4563	2-Stage	3/4 x 3/4	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
VR8245M2530	VR8245M2530	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	None	One	None
	VR8204A2076	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
	VR8204M1091	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	One	One	None
	VR8205A2024	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
VR8215	VR8215S1503	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	None	None	None	None
	VR8215T1502	Slow	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	None	None	None	None
VR9205Q	VR9205Q1507	2-stage	1/2 x 1/2	1.7 in. wc (0.42 kPa) low; 3.5 in. wc (0.87 kPa) high	-40° to 175° F (-40° to 79° C)	None	None	None	None	None	None
VR8300M4406	VR8300M4406	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175°F (-40° to 79°C)	None	Two	One	None	None	None
	VR8300A4508	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	Two	One	None	None	None
	VR8300A3500	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	One	One	None	None	None
	VR8200A2124	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	One	None	One	One	One	None
	VR8200A2132	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
	VR8200A2744	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One+One Elbow	One	None

*Double check specifications before replacement.
All piloted valves have a 1/4" compression fitting. All the VR valves come set for natural gas, but can be converted to LP gas. All the VR valves have inlet and outlet pressure taps.

COMPETITIVE REPLACEMENT

Universal Service Part	Direct Service Part Replacement	Resideo	White-Rodgers	Robertshaw
VR8345M4302	VR8345M4302		36E36-304, 36C68-423, 36H32-423	
	VR8304M3509	VR8304M2501		
	VR8304M4507	VR8304M4002, VR8304M4804		
	VR8305M3506	VR8305M4066, VR8305M4165, VR8305M4231	36G22-214, 36C68-423	720-051 (7200DER)
VR8345K4809	VR8345K4809	VR8304K3808, VR8304K4806, VR8304K4814, VR8305K4233	36E98-304, 36E24-214, 36E52-214	700-052
	VR8205H1003	VR8205H2605, VR8305H4013, VR8305H4039		
	VR8304H4503	VR8204H1006, VR8204H1055		720-070 (7200IPER-S7C), 720-071 (7200IPER-S7C), 720-072 (7200IPER-S7C), 720-073 (7200IPER-S7C)
VR8345Q4563	VR8345Q4563	VR8205Q2381, VR8205Q2555, VR8205Q2662, VR8205Q2746, VR8205Q2787, VR8304Q4453, VR8304Q4511, VR8305Q4138, VR8305Q4146, VR8305Q4195, VR8305Q4500	36C76-406, 36C76-420, 36C76-463, 36D13-208, 36D13-405, 36E54-214, 36E96-314, 36G54-214	720-082 (7200IPER2-4)
VR8245M2530	VR8245M2530	VR8204A2852, VR8205M1080, VR8205M1106, VR8205M2310, VR8205M2443, VR8205M2450, VR8205M2476	36E36-304, 36E22-214	720-079 (7200IPER), 720-080 (7200IPER-LP) 722-079 (2000IPERHC)
	VR8204A2076	VR8204A1201, VR8204A1219, VR8204A2001, VR8204A2035, VR8204A2043, VR8204A2175, VR8204A2183, VR8204A2241, VR8204A2225, VR8204A2803		
	VR8204M1091	VR8204M1075, VR8204M1232	36E01-204, 36E01-205, 36E01-206, 36E01-305, 36E93-304	
	VR8205A2024	VR8205A2008, VR8205A2081	36G22-214, 36J22-214	722-051 (2000DERHC), 720-051
VR8215S1503	VR8215S1503	VR8205S2262, VR8205S2270, VR8205S2296, VR8205S2338, VR8205S2353, VR8205S2361, VR8205S2379, VR8205S2395, VR8205S2437, VR8205S2858, VR8205S2882, VR8205S5802, VR8205S5828, VR8205S5836, VR8205S5844, VR8215S1222, VR8215S1263, VR8215S5207, VR8215S5215, VR8205A2008, VR8205A2016, VR8205A2024, VR8205A2065, VR8205A2081, VR8205A2131, VR8205A2263, VR8205A2800, VR8205M1080, VR8205M1106, VR8205M1122, VR8205M1130, VR8205M1148, VR8205M1155, VR8205M1163, VR8205M2310, VR8205M2401, VR8205M2476, VR8205M2484, VR8205M2831, VR8205M2864, VR8205M2872, VR8205M2880, VR8205M5024, VR8205M5032	36G22-214, 36J22-214, 36G22-207, 36B22-254	
VR8215T1502	VR8215T1502	VR8205H1003, VR8205H1011, VR8205H2605, VR8205H2621, VR8205K1157, VR8205K1173, VR8205K2247, VR8205K2593, VR8205K2619, VR8205T5801, VR8215T1205, VR8215T1239, VR8215T5206, VR8215T5214		
VR9205Q	VR9205Q1507	VR9205Q1006, VR9205Q1010, VR9205Q1028, VR9205Q1101, VR9205Q1127, VR9205Q1218		
VR8300M4406	VR8300M4406	VR8300A4003, VR8300A4011, VR8300A4037, VR8200A2827, VR8300A4045, VR8300A4557, VR8300A4565	36C03-400, 36C03-433	700-400
	VR8300A4508	VR8300A4003, VR8300A4011, VR8300A4037, VR8300A4045, VR8300A4557, VR8300A4565	36EC01-405	700-400, 7 20-406 (7200ER)
	VR8300A3500	VR8300A3104, VR8300A3120, VR8300A3153, VR8300A3161, VR8300A3203, VR8300A3559, VR8300A3567, VR8300A3575	36C03-300, 36C03-258	720-404 (7200ER), 720-400, 720-402
	VR8200A2124	VR8200A2009, VR8200A2082, VR8200A2116, VR8200A2215, VR8200A2264, VR8200A2322, VR8200A2348		720-400 (7200ER), 720-402 (7200ER)
	VR8200A2132	VR8200A2009, VR8200A2082, VR8200A2116, VR8200A2215, VR8200A2264, VR8200A2322, VR8200A2348		720-400 (7200ER), 720-402 (7200ER)
	VR8200A2744	VR8200A2322		

SMARTVALVE™ SYSTEM CONTROLS

Resideo SmartValve™ combines gas flow control and electronic ignition into a single unit, providing safety and simplified wiring and appliance construction. You'll find Resideo SmartValves on equipment ranging from furnaces, water heaters, boilers and rooftops to infrared heaters, cooking units and much more.

SMARTVALVE™

- Family members cover the full range of opening characteristics (slow, normal, fast) and ignition systems (hot surface, hot surface pilot)
- Universal kits include natural to LP conversion and 3⁄4" to 1⁄2" bushings
- Universal family increases service efficiency and reduces truck and warehouse inventory

* Diagnostic Testers; Input Voltage Harnesss: 396085; Flame current test tool: 32324947-00A

Q3450C1185/Q3450C2092
SMARTVALVE™ PILOT BURNER

The Q3450 SmartValve™ pilot burners provide pilot flame ignition and sensing for SmartValve™ intermittent pilot systems. They consist of replaceable igniter-flame rod assembly, bracket assembly, pilot target, ground electrode, orifice assembly, compression fitting and spring clip. The igniter lights the pilot burner. The flame rod proves the pilot flame and the pilot flame lights the main burner.

- Used with SV9500/SV9600 SmartValve™ System
- Replaceable Igniter-Flame Rod Assembly (Q3400A)
- Integral keyed plug provides quick, convenient connection of igniter and sensor to SV9500/SV9600
- Q3450 has front or 20 degree right, left flame pattern
- Natural and LP gas orifices available
- Variety of target styles available
- Variety of mounting brackets available

Q3400
HOT SURFACE PILOT/SENSOR ASSEMBLY

The Q3400A Igniter-Flame Rod Assembly replaces the original igniter-flame rod assembly in the Q3450 and Q3480 pilot hardware used with the SV9500 and SV9600 SmartValve™ system. The Q3400A has a unique keyed plug connector that will only fit the SV9500/SV9600 systems.

- Can be replaced without removing the pilot burner
- Max temp 250˚ C
- Order SKU Q3400A102
- Dual-redundant gas valve design

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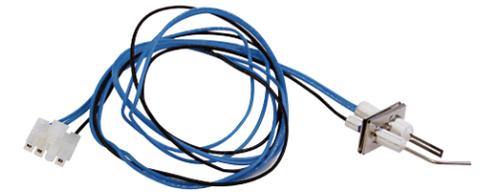
SmartValve™ Control Systems Selection Guide

SPECIFICATIONS

Ignition/Application	Universal Service Part	Gas Type	Opening Characteristics	Ambient Temperature Range	Natural to LP Conversion Kit*	3/4" x 1/2" Reducer Bushings*	Extension Harness*
Intermittent HSI Pilot with Combustion Air Control and Limit Monitoring Forced Air Furnace	SV9541Q2561	Natural	2-Stage	-40° to 175° F (-40° to 79° C)	Yes	None	No
	SV9641M4510	Natural	Standard Opening	40° to 175° F (-40° to 79° C)	Yes	Two	No
Direct Ignition, General Application	SV9510M2511	Natural	Standard Opening	-40° to 175° F (-40° to 79° C)	Yes	None	No
	SV9520M2536	Natural	Standard Opening	-40° to 175° F (-40° to 79° C)	Yes	None	No
	SV9510K2539	Natural	Slow Opening	-40° to 175° F (-40° to 79° C)	Yes	None	No
	SV9520H8513	Natural	Fast-Slow Opening	0° to 175° F (-18° to 79° C)	Yes	None	No
Intermittent HSI Pilot, General Application	SV9601M4571	Natural	Standard Opening	-40° to 175° F (-40° to 79° C)	Yes	Two	No
	SV9501M2528	Natural	Standard Opening	-40° to 175° F (-40° to 79° C)	Yes	None	No
	SV9501M8129	Natural	Fast-Fast	-40° to 175° F (-40° to 79° C)	Yes	None	Yes
	SV9502H2522	Natural	Slow Opening	0° to 175° F (-18° to 79° C)	Yes	None	Yes
	SV9602P4816	Natural	Step Opening	-40° to 175° F (-40° to 79° C)	None	Two	Yes
	SV9602P4824	Natural	Step Opening	-40° to 175° F (-40° to 79° C)	None	Two	Yes
	SV9602P4832	Natural	Step Opening	-40° to 175° F (-40° to 79° C)	None	Two	Yes
	SV9602P4840	Natural	Step Opening	-40° to 175° F (-40° to 79° C)	None	Two	Yes

*Products included.

SPECIFICATIONS / **CROSS REFERENCE**

Universal Service Part	OEM Brands	Replaces
SV9541Q2561	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9540Q2464, SV9541Q3098
SV9641M4510	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite, Mestek, Slant/Fin	SV9541M2094, SV9540M2229, SV9540M2260, SV9640M4116, SV9640M4124, SV9540M2278, SV9540M2245, SV9640M3126, SV9640M4132
SV9510M2511	Modine	SV9510M2347, SV9510M2362, SV9410M2902, SV9510M2412, SV9510M2354, SV9410M2910, SV9510M2388, SV9510M2420
SV9520M2536		SV9420M2331, SV9520M24031, SV9420M2323
SV9510K2539	Roberts Gordon	SV9510H2228, SV9510K2133, SV9510K2158, SV9510K2141, SV9510K2166
SV9520H8513	Armstrong, Concord, AirEase	SV9520H8042, SV9520H8034, SV9520H8067, SV9520H8026
SV9601M4571		SV9601M4167, SV9601M3003, SV9601M4225
SV9501M2528	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9501M2056, SV9501M2080 , SV9501M2718, SV9501M2726, SV9501M2031, SV9501M2049, SV9501M2239, SV9501M2700, SV9501M2734, SV9501M2742, SV9501M2064
SV9501M8129		SV9501M8103
SV9502H2522	Laars, Utica, Armstrong, Concord, AirEase	SV9501H3415, SV9501H2417, SV9501H2409, SV9502H1706, SV9502H2704, SV9501H3423, SV9501H2425
SV9602P4816	Burnham, ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9501P2004, SV9601P4107, SV9501P2053, SV9502P2101, SV9602P4105
SV9602P4824	Burnham	SV9501P2087, SV9601P4172, SV9502P2127, SV9602P4121
SV9602P4832	Burnham	SV9501P2020, SV9501P2046, SV9601P4149, SV9601P4164, SV9502P2119, SV9502P2135, SV9602P4113, SV9602P4139
SV9602P4840		SV9601P4115

UNIVERSAL PILOT BURNERS

Resideo has made replacing pilots easy with universal pilot burners. Now four pilots replace over 120 so you can finish the job on the first trip. Reducing costs and making you more money.

When selecting universal pilot burners for your next job,
look for these Resideo features:

- For use in Natural and LP applications

- Peel-N-Seal Packaging label with cross reference and installation instructions on outside of packaging

Q314U1001
STANDING PILOT

- Target-style pilot burner

- Three position adjustable hood

Comes with:

- Natural and LP orifices (BCR-18, BBR-10)

- Low BTU Hood with low BTU orifices (CAR-12, CAR-13, BBR-8)

- 1/4" and 1/8" compression fitting

- A mounting adapter bracket

Q345U1005
INTERMITTENT PILOT

- Target-style pilot burner

- Three position adjustable hood

Comes with:

- Natural and LP orifices (BCR-20, BCR-18, BBR-12, BBR-11)

- 1/4" and 1/8" compression fitting

- A mounting adapter bracket

Q345U1009
INTERMITTENT PILOT

- 1" Batwing-style pilot burner

Comes with:

- Natural and LP orifices (NE22, KF24, A26, KR14),

- 1/4" and 1/8" compression fitting

- A mounting adapter bracket

Q3451U1000
INTERMITTENT PILOT

- Target-style pilot burner with integral ignition lead

- Three position adjustable hood

Comes with:

- Natural and LP orifices (BCR-20, BCR-18, BBR-12, BBR-11, BCR-10)

- 1/4" and 1/8" compression fitting

- Igniter with 36" lead length

- Igniter with 55" lead length and fiberglass sleeve

Universal Pilot Burners Cross Reference

Q314U1001 CROSS REFERENCE

Model Number	Hood	Hood Angle	Orifice	Gas Type	Compression Fitting	Auxiliary Bracket
Q314A3471	As Shipped	As Shipped (L) Left	As Shipped	NAT	1/8"	No
Q314A3513	As Shipped	(F) Front	As Shipped	NAT	As Shipped (1/4")	Yes
Q314A3547	As Shipped	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	Yes
Q314A3679	As Shipped	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	No
Q314A3687	As Shipped	(F) Front	As Shipped	NAT	As Shipped (1/4")	No
Q314A3703	As Shipped	As Shipped (L) Left	Green = BB-10 (0.010 in.)	LP	As Shipped (1/4")	No
Q314A3729	As Shipped	(K) Right	As Shipped	NAT	As Shipped (1/4")	No
Q314A3737	As Shipped	(F) Front	As Shipped	NAT	As Shipped (1/4")	No
Q314A3802	As Shipped	(F) Front	Green = BB-10 (0.010 in.)	LP	As Shipped (1/4")	No
Q314A3828	As Shipped	(F) Front	Green = BB-10 (0.010 in.)	LP	As Shipped (1/4")	No
Q314A4586	As Shipped	(F) Front	Check Application	Check Application	As Shipped (1/4")	Check Application
Q314A6094	As Shipped	As Shipped (L) Left	Check Application	Check Application	As Shipped (1/4")	Check Application
Q314A6102	As Shipped	(K) Right	Check Application	Check Application	As Shipped (1/4")	Check Application
Q314A6557	As Shipped	(F) Front	As Shipped	NAT	As Shipped (1/4")	No
Q314A6631	As Shipped	(F) Front	As Shipped	NAT	1/8"	No
Q314A6862	As Shipped	(F) Front	Check Application	Check Application	Check Application	No
Q314A6946	As Shipped	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	No
Q314A6953	As Shipped	As Shipped (L) Left	Green = BB-10 (0.010 in.)	LP	As Shipped (1/4")	No
Q314A6961	As Shipped	(K) Right	As Shipped	NAT	As Shipped (1/4")	No
Q314A9015	As Shipped	(K) Right	As Shipped	NAT	As Shipped (1/4")	Yes
Q314AFA	As Shipped	(F) Front	Check Application	Check Application	Check Application	Yes
Q314AFB	As Shipped	(F) Front	Check Application	Check Application	Check Application	No
Q314AFK	As Shipped	(F) Front	Check Application	Check Application	Check Application	No
Q314AKA	As Shipped	(K) Right	Check Application	Check Application	Check Application	Yes
Q314AKB	As Shipped	(K) Right	Check Application	Check Application	Check Application	No
Q314ALA	As Shipped	As Shipped (L) Left	Check Application	Check Application	Check Application	Yes
Q314ALB	As Shipped	As Shipped (L) Left	Check Application	Check Application	Check Application	No
Q314U1001	Check Application	Check Application	Check Application	Check Application	Check Application	Check Application
Q350A1065	Low BTU Hood	(F) Front	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	No
Q350A1222	Low BTU Hood	(L) Left	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	No
Q350A1271	Low BTU Hood	(K) Right	Lt. Blue = CA-13 (0.013 in.)	NAT	As Shipped (1/4")	No
Q350A1305	Low BTU Hood	(K) Right	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	No
Q350A1321	Low BTU Hood	(L) Left	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	No
Q350A1545	Low BTU Hood	(L) Left	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	Yes
Q350A1644	Low BTU Hood	(L) Left	Pink = CAR-12 (0.012 in.)	NAT	1/8"	No
Q350A1677	Low BTU Hood	(L) Left	Pink = CAR-12 (0.012 in.)	NAT	1/8"	No
Q350A1859	Low BTU Hood	(K) Right	Yellow = BBF-8 (0.008 in.)	LP	As Shipped (1/4")	No
Q350A1867	Low BTU Hood	(L) Left	Yellow = BBF-8 (0.008 in.)	LP	As Shipped (1/4")	Yes
Q350A2097	Low BTU Hood	(F) Front	Lt. Blue = CA-13 (0.013 in.)	NAT	As Shipped (1/4")	No
Q350A2212	Low BTU Hood	(F) Front	Pink = CAR-12 (0.012 in.)	NAT	As Shipped (1/4")	No
Q350A2287	Low BTU Hood	(K) Right	Check Application	Check Application	Check Application	Yes
Q350AFB	Low BTU Hood	(F) Front	Check Application	Check Application	Check Application	No
Q350AFK	Low BTU Hood	(F) Front	Check Application	Check Application	Check Application	No
Q350AKA	Low BTU Hood	(K) Right	Check Application	Check Application	Check Application	Yes
Q350AKB	Low BTU Hood	(K) Right	Check Application	Check Application	Check Application	No
Q350AKK	Low BTU Hood	(K) Right	Check Application	Check Application	Check Application	No
Q350ALA	Low BTU Hood	(L) Left	Check Application	Check Application	Check Application	Yes
Q350ALB	Low BTU Hood	(L) Left	Check Application	Check Application	Check Application	No
Q350ALK	Low BTU Hood	(L) Left	Check Application	Check Application	Check Application	No

Colors refer to the colors of the label on the bag.

Universal Pilot Burners Cross Reference

Q345U1005 CROSS REFERENCE

Model Number	Hood Angle	Orifice	Gas Type	Compression Fitting	Auxiliary Bracket
Q345A1008	As Shipped (L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	No
Q345A1016	As Shipped (L) Left	Gray = BBR-12 (0.012 in.)	LP	As Shipped (1/4")	No
Q345A1024	(F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	No
Q345A1065	(F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	Yes
Q345A1156	(F) Front	As Shipped	NAT	As Shipped (1/4")	No
Q345A1305	(F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	Check Application
Q345A1313	As Shipped (L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	Check Application
Q345A1321	(K) Right	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	Check Application
Q345A1446	As Shipped (L) Left	Red = BBR-11 (0.011 in.)	LP	As Shipped (1/4")	Yes
Q345A1701	(F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	No
Q345A1750	(F) Front	Orange = BCR-18 (0.018 in.)	NAT	1/8"	No
Q345A1818	As Shipped (L) Left	Orange = BCR-18 (0.018 in.)	NAT	1/8"	No
Q345A2030	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	No
Q345A2055	(F) Front	As Shipped	NAT	As Shipped (1/4")	No
Q345A2196	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	Yes
Q345A2360	As Shipped (L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	No
Q345A2386	As Shipped (L) Left	Red = BBR-11 (0.011 in.)	LP	As Shipped (1/4")	No
Q345A2402	As Shipped (L) Left	As Shipped	NAT	As Shipped (1/4")	No
Q345A2816	As Shipped (L) Left	Orange = BCR-18 (0.01 8in.)	NAT	As Shipped (1/4")	No
Q345A2824	As Shipped (L) Left	Gray = BBR-12 (0.012 in.)	LP	As Shipped (1/4")	No
Q345AFA	(F) Front	Check Application	Check Application	Check Application	Yes
Q345AFB	(F) Front	Check Application	Check Application	Check Application	No
Q345AFK	(F) Front	Check Application	Check Application	Check Application	No
Q345AKB	(K) Right	Check Application	Check Application	Check Application	No
Q345ALA	As Shipped (L) Left	Check Application	Check Application	Check Application	Yes
Q345ALB	As Shipped (L) Left	Check Application	Check Application	Check Application	No
Q345U1005	Check Application	Check Application	Check Application	Check Application	Check Application

Q348U1009 CROSS REFERENCE

Model Number	Orifice	Gas Type	Compression Fitting	Auxiliary Bracket
Q348A1002	As Shipped	NAT	As Shipped (1/4")	No
Q348A1010	Brown = KR14 (0.014 in.)	LP	As Shipped (1/4")	No
Q348A1101	As Shipped	NAT	As Shipped (1/4")	Yes
Q348A1226	Blue = A26 (0.026 in.)	NAT	As Shipped (1/4")	No
Q348A1275	White = KF24 (0.024 in.)	NAT	1/8"	No
Q348A1333	As Shipped	NAT	1/8"	No
Q348A1341	Brown = KR14 (0.014 in.)	LP	1/8"	No
Q348AAA	Check Application	Check Application	Check Application	Yes
Q348AAB	Check Application	Check Application	Check Application	No
Q348U1009	Check Application	Check Application	Check Application	Check Application

Colors refer to the color of the label on the bag.

Q3451U1000 CROSS REFERENCE

Model Number	Hood Angle	Orifice	Gas Type	Compression Fitting	Igniter Lead
Q3451B1004	(L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B1079	As Shipped (F) Front	Purple = BCR-10 (0.010 in.)	LP	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B1095	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B1103	(L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1178	(L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1186	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1194	As Shipped (F) Front	Purple = BCR-10 (0.010 in.)	LP	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1236	(L) Left	Gray = BBR-12 (0.012 in.)	LP	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1244	(L) Left	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B1301	(L) Left	As Shipped (BCR-20 (0.020 in.))	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B1707	(L) Left	Red = BBR-11 (0.011 in.)	LP	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B1715	(L) Left	Check Application	Check Application	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B2002	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B2010	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	1/8"	As Shipped (36" igniter)
Q3451B2036	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B2044	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B2077	As Shipped (F) Front	As Shipped (BCR-20 (0.020 in.))	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B2085	As Shipped (F) Front	Gray = BBR-12 (0.012 in.)	LP	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B2101	As Shipped (F) Front	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451B3018	(K) Right	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B3026	(K) Right	Orange = BCR-18 (0.018 in.)	NAT	1/8"	As Shipped (36" igniter)
Q3451B3067	(K) Right	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451B3083	(K) Right	Orange = BCR-18 (0.018 in.)	NAT	As Shipped (1/4")	As Shipped (36" igniter)
Q3451BF	As Shipped (F) Front	Check Application	Check Application	Check Application	Check Application
Q3451BK	(K) Right	Check Application	Check Application	Check Application	Check Application
Q3451BL	(L) Left	Check Application	Check Application	Check Application	Check Application
Q3451K2002	As Shipped (F) Front	As Shipped (BCR-20 (0.020 in.))	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451K2010	As Shipped (F) Front	Gray = BBR-12 (0.012 in.)	LP	As Shipped (1/4")	55" igniter lead packed separately
Q3451K2028	As Shipped (F) Front	As Shipped (BCR-20 (0.020 in.))	NAT	As Shipped (1/4")	55" igniter lead packed separately
Q3451KF	As Shipped (F) Front	Check Application	Check Application	Check Application	Check Application
Q3451U1000	Check Application	Check Application	Check Application	Check Application	Check Application

Colors refer to the colors of the label on the bag.

THERMOCOUPLES/THERMOPILES

With easy installation, reliable performance and built for long-haul, Resideo's thermocouples and thermopiles work for nearly all pilot generated millivolt applications.

When selecting a thermocouple or thermopile for your next job, look for these Resideo features:

- Variety of lead lengths
- Easy installation
- Many accessories included
- Durability

Thermocouples Selection Guide

Lead Length (in.)	Universal	Tradeline	White-Rodgers	Robertshaw	Husky	Johnson Controls
18	Q340A1066	Q390A1095	H06E-518, H06E-18	1970-18	K16BT-18	K19AT-18
24	Q340A1074	Q390A1046	H06E-524, H06E-24	1970-24 1980-24	K16BT-24	K19AT-24
30	Q340A1082	Q390A1053	H06E-530, H06E-30	1970-30	K16BT-30	K19AT-30
36	Q340A1090	Q390A1061	H06E-536, H06E-36	1970-36 1980-36	K16BT-36	K19AT-36
48	Q340A1108	Q390A1103	H06E-548, H06E-48	1970-48	K16BT-48	K19AT-48

Thermopiles Selection Guide

Lead Length (in.)	Universal	Direct Replacement	Connection	Includes
35	Q313U3000	Q313U3000	Spade Terminal	Push-In clip, PG9 adapter, 1/2" attaching nut, Split nut, spade to QC adapter
		Q313A1022	Spade Terminal	7/16" attaching nut
		Q313A1139	Spade Terminal	Push-In clip, spade to QC adapter
		Q313A1170	Spade Terminal	PG9 adapter, 7/16" attaching nut
		Q313A1188	Spade Terminal	Push-In clip, 1/2" attaching nut, Split nut, Spade to QC adapter
47	Q313A1055	Q313A1055	Spade Terminal	1/2" attaching nut, 7/16" attaching nut

Q313
REPLACEMENT THERMOPILE

- Variety of lead lengths
- Push-in clip, split nut and adapter assembly included
- Male nut connector for Pilotstat included
- Generates 750 mV in a millivolt heating system

Q340A
UNIVERSAL THERMOCOUPLE

- The Q340A, with a maximum amount of copel, is a premium thermocouple with the long life and durability that your customers demand
- Variety of lead lengths
- Push-in clip and adapter assembly included
- Male nut connector for Pilotstat included
- Generates 30 mV in standing pilot systems

Q390A
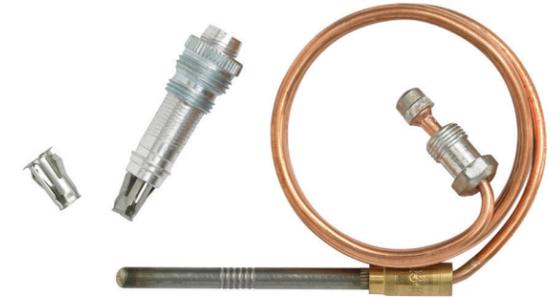### THERMOCOUPLE

- Variety of lead lengths
- Push-in clip and adapter assembly included
- Male nut connector for Pilotstat included
- Generates 30 mV in standing pilot systems
- For situations where a utility grade thermocouple is the best solution, the Q390A is the right choice

IGNITION MODULES

Resideo ignition controls have a long history of safe and reliable performance. Grow your business while reducing inventory with universal ignition modules. A full lineup of universal replacement electronic control is available for nearly all intermittent or hot surface ignition applications from gas-fired furnaces to boilers.

When selecting ignition modules for your next job, look for these Resideo features:

- Universal application with field adjustable timings
- Flexibility for use in single-rod or dual-rod systems
- Quality, reliability and safety of field proven controls
- Simplified installation

S8610U
UNIVERSAL INTERMITTENT PILOT IGNITION MODULE

- Flame voltage auto-adjusts for consistent operation
- Usable in both single-rod or dual-rod systems
- Field-selectable pre-purge and ignition trial timings
- Simple diagnostic LED helps direct service effort
- Direct pilot flame current readout with standard micro-ammeter
- Plug in vent damper connection simplifies installation
- Replaces over 400 Resideo and competitive models

S8910U
UNIVERSAL HOT SURFACE IGNITION MODULE

- Replaces over 800 Resideo and competitive products
- Easy field replacement for most hot surface ignition modules
- Three-color LED and microammeter ports for easy diagnostics
- Single-rod or dual-rod systems
- Natural or LP gas
- All retrofit accessories included

Y8610U
UNIVERSAL IP RETROFIT IGNITION SYSTEM KIT

- Use with 24 Vac gas-fired atmospheric furnaces, boiler and heating appliances
- Convert standing pilot appliance to electronic ignition
- Natural or LP gas

resideo

Ignition Modules Selection Guide

Universal Service Part	APPLICATIONS Ignition System	Flame Sensor	Ignition Sequence (Note 1)	Ignition Trials To Lockout (Note 1)	Timings Ignition Trial Time	Between Trial Time	Pre-Purge	Flame Failure Response Time
S8910U3000	Line Volt Hot Surface Ignition	1 or 2 Rods	P	1 or 3 Field Selectable	4 sec. or 7 sec. Field Selectable	96 sec., 3 Trial Mode Only	32 sec. or less	1.5 sec.
S8610U3009	Intermittent Pilot	1 or 2 Rods	C	C	15 sec. or 90 sec. Field Selectable	5 Minute Delay After Failed Trial for Ignition	0 sec. or 30 sec. Field Selectable	2.0 sec. max.
Y8610U6006	Conversion for Standing Pilot	Single Rod	C	C	15 sec. or 90 sec. Field Selectable	5 Minute Delay After Failed Trial for Ignition	0 sec.	2.0 sec. max.
Y8610U4001	Conversion for Standing Pilot	Single Rod	C	C	15 sec. or 90 sec. Field Selectable	5 Minute Delay After Failed Trial for Ignition	0 sec.	2.0 sec. max.

Notes:
1. Ignition Sequence
   C   Continuous retry – After trial for ignition, pilot gas shuts off for five minutes, then another trial for pilot ignition takes place.
   P   The number of trials for ignition and trial time is determined by the selection tab. If a selection tab is not installed, the module will operate at four seconds trial time and one ignition trial.

Universal Service Part	Type of Gas	Ignition Source	FEATURES AND FUNCTIONS Typical Ignition Hardware	Included	CROSS REFERENCE Resideo	White-Rodgers	Robertshaw	Johnson Controls
S8910U3000	Nat or LP	Switched Line Voltage	Norton 201, Norton 271, Hot Surface Elements, Q354 Flame Rod		S89C1004, S89C1012, S89C1046, S89C1087, S89C1103, S89D1002, S89G1005, S89G1013, S89G1021, S89G1047, S89H1003, S89H1011, S89H1029, S89J1008, S890C1007, S890D1006, S890G1003, S890G1011, S890G1029, S890G1037, S890H1002, S890H1010, S890H1028, S8910U1000	50E47-1 thru 50E47-79, 50E47-101 thru 50E47-179, 50E47-201 thru 50E47-279, 50E47-301 thru 50E47-379, 50F47-1 thru 50F47-79, 50F47-101 thru 50F47-179, 50F47-201 thru 50F47-279, 50F47-301 thru 50F47-379	HS780-17NL-104A, HS780-17NL-108A, HS780-17NL-304A, HS780-17NL-308A, HS780-17NR-104A, HS780-17NR-306A, HS780-17NR-308A, HS780-34NL-108A, HS780-34NL-304A, HS780-34NL-306A, HS780-34NL-308A, HS780-34NL-312A, HS780-34NR-104A, HS780-34NR-306A, HS780-34NR-308A, HS780-34NR-312A, HS780-34PL-308A	
S8610U3009	Nat or LP	Internal	Q345, Q3451, Q3452	Integral Damper Connector	S86 Series, S90 Series, S8600 Series, S8610 Series, S8620 Series, S8660 Series, S8670 Series, S8680 Series	50D49-350, 50D49-360, 50D49-361, 50D50-843, 50D49-401	780-002, 780-003, 780-715, 780-735, 780-736, 780-737, 780-845, SP715, SP715A, SP735D, SP735L, USI715U, SP735, SP750 Series	CSA42, 43, 44, 45, 46, 48, 49, G60, G65, G87, G770 Series
Y8610U6006	Nat or LP	Internal	Adapter for Pilot Burner Included	VR8304M3558 Gas Valve	Y8610U3003			
Y8610U4001	Nat or LP	Internal	Adapter for Pilot Burner Included	VR8204A2142 Gas Valve				

UNIVERSAL HOT SURFACE IGNITER

Replacing a hot surface igniter can be a tricky job. Furnace designs and specifications change. Appliance designs can be tight and difficult to maneuver in. Then there's the need to carry a variety of replacement parts to match the range of hot surface igniter configurations out there. Now, those challenges have one reliable solution: Glowfly™ from Resideo.

When selecting ignition modules for your next job, look for these Resideo features:

- Next-generation OEM silicon nitride quality for any installation
- Custom designed bracketing for universal installation
- 3-year warranty
- Avoid being caught unprepared with the unique truck-ready six-pack
- Graphic instructions provide for quick and accurate bracket selection and installation

Q3200U2002
SIX PACK

Q3200U1004
SINGLE PACK

Match and mount simplicity.
Simply remove the old igniter and compare it with the diagrams on Glowfly's™ unique packaging guide to determine the correct mounting bracket for the job.

Six brackets. 110+ possibilities.
Every Glowfly™ comes fully equipped with six custom mounting brackets that are optimized to replace over 110 igniter applications from nearly every furnace manufacturer without modification.
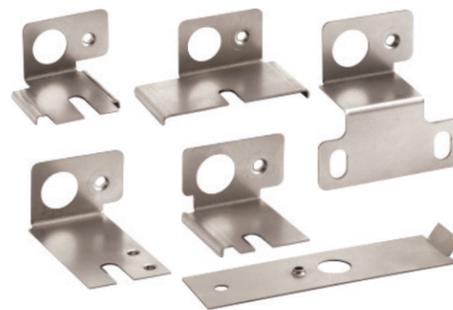
Igniter Bracket Replacement Cross Reference[a]

Manufacturer	OEM #	Q3200u Bracket[b]
American Road Equipment	201W	A
Arco Air	1096048	D
	1380680	D
Armstrong Air	38322B001	A
Carrier/ Bryant/Payne	LH33B001	B or E[c]
	LH33ZS001A	B or E[c]
	LH33ZS002	B or E[c]
	LH33ZS002A	B or E[c]
	LH33ZS003	B or E[c]
	LH33ZS003A	B or E[c]
	LH33ZS004	B or E[c]
Claire Bros.	C-238	A
	C242	A
Coleman	1474-051	A
	1474-052	A
Comfort Maker	1096048	D
Detroit Radiant	201D	A
DMO Ind.	20834	A
Dornback Furnace	271Y	A
Ducane	20015201	B
Enero Tech	10399	A
Evcon	1474-051	A
	1474-052	A
Evcon Coleman	025-32625-000	B
Goodman	B1401009	D
	B1401018	C
	B1401018 S	D
HB Smith	50018	A
Heil	1096048	D
Hupp Industries	09050	A
Intercity	1009604	D
	1096048	D
Majestic	75-92-104	A
	75-92-105	A
Metzger	201N	A
	201W	A
Modine	5 76032A	C
Mor-Flo	3200618	C
	511-330-193	A
Nordyne	105141000	A
	632-0770	A
	632-0880	A
Norton/ St. Gobain	201	B
	271	B
	201D	A
	201K	A
	201L	A
	201N	A
	201R	A
	201W	A
	271N	A
	271NM	D
	271P	A
	271W	A
Raypak	600915	B
Rheem	62-22441-01	A
	90434300	B
	90436600	A

Manufacturer	OEM #	Q3200u Bracket[b]
Robertshaw	41-402	A
	41-403	B
	41-404	B
	41-405	A
	41-407	B
	41-408	A
	41-409	B
	41-410	A
	41-412	D
	41-418	C
Roberts Gordon	90434300	B
	90436600	A
Snyder General	1380654	B
	1380672	B
Superior Fireplace	94851	A
Tempstar	1096048	D
Trane	340039P01	A
	B138196P01	B
	B144676P01	A
	B144676P02	B
	B340039P01	A
	IGN23	A
	IGN26	B
	IGN30	B
	IGN34	A
Viessman	9302-094	A
Wayne Home Equipment	62821-001	A
	62821-002	A
Weil McLain	511-330-139	B
	511-330-190	B
	511-330-193	B
White LB	120-07549	A
White-Rodgers	767A-301	A
	767A-303	F
	767A-306	A
	767A-311	A
	767A-350	A
	767A-353	F
	767A-354	A
	767A-357	F
	767A-361	A
	767A-364	A
	767A-366	A
	767A-370	B
	767A-371	A
	767A-372	A
	767A-373	D
	767A-376	B
	767A-377	A
	767A-382	B
Williamson	9050	A
York	025-27766-000	A
	025-27774-000	A
	025-29043-000	A
	025-29050-000	A

[a] Table date is correct to the best of Resideo's knowledge as of this publication's date. However, some appliances may have igniter applications that are beyond the capabilities of this kit.
[b] For igniters that require brackets A, use the template to determine the tab to be removed.
[c] For Carrier sealed combustion furnaces, you must use bracket E and retain the existing orange gasket for use with bracket E.

For a complete cross reference, please visit **customer.resideo.com**

SILICON CARBIDE IGNITERS

Resideo offers a full line of 120 V direct replacement silicon carbide igniters. Q4100 igniters work with most configurations of element shapes, brackets, connectors, and lead wire lengths.

Silicon Carbide Igniters Cross Reference

Manufacturer	Part Number	Resideo Part Number
Amana	601	Q4100C9048
	10041601	Q4100C9042
	10755002	Q4100C9046
	20165703	Q4100C9054
	10735003A	Q4100C9046
	138196P01	Q4100C9056
	201657-03	Q4100C9048
	20165703S	Q4100C9048
	B1336102	Q4100C9042
	B144676P01	Q4100C9058
	B144676P02	Q4100C9052
	B340039P01	Q4100C9054
	D99182	Q4100C9042
	D9918202A	Q4100C9042
American Appliance	271B	Q4100C9050
American Road Equipment	201W	Q4100C9046
American Standard	IGN0030	Q4100C9056
American Water Heater	6901800	Q4100C9050
	6903767	Q4100C9050
	6903768	Q4100C9050
	6905032	Q4100C9046
Arco Air	1096048	Q4100C9066
	1380680	Q4100C9066
	100-9980	Q4100C9046
Armstrong	38322B001	Q4100C9046
Barnett Brass	661923	Q4100C9042
	661925	Q4100C9050
	661926	Q4100C9052
	661927	Q4100C9056
	661928	Q4100C9060
	661929	Q4100C9054
Carrier/ Bryant/ Payne	LH33ZS001A	Q4100C9056
	LH33ZS002	Q4100C9056
	LH33ZS003	Q4100C9056
	LH33ZS004	Q4100C9056
Claire Brothers	C-238	Q4100C9046
	C-242	Q4100C9046
Coleman	1474-051	Q4100C9046
	1474-052	Q4100C9046
Comfort Maker	1096048	Q4100C9066
Comfort Zone	150114-04-01	Q4100C9050
Detroit Radiant	201D	Q4100C9068
DMO Industries	20834	Q4100C9046
Dornback	271W	Q4100C9046
Ducane	20015201	Q4100C9056
Eaton	F1-402	Q4100C9046
	F1-403	Q4100C9046
	F1-404	Q4100C9048
	F1-407	Q4100C9052
	FI-401	Q4100C9042
	FI-405	Q4100C9068
	FI-406	Q4100C9050
	FI-408	Q4100C9054
	FI-409	Q4100C9056
	FI-410	Q4100C9058
	FI-412	Q4100C9062

Manufacturer	Part Number	Resideo Part Number
Enerco	10399	Q4100C9046
EZFLOW	62374	Q4100C9062
Frigidaire	6320770	Q4100C9046
	6320880	Q4100C9046
	6323540	Q4100C9046
	632-3540	Q4100C9046
	RH622286893	Q4100C9046
Gemline	IG-106	Q4100C9050
	IG-107	Q4100C9062
General Electric	WG37X11	Q4100C9056
	WG37X34	Q4100C9056
Glow Core	1950001	Q4100C9050
	FY 009	Q4100C9050
	HSRK7	Q4100C9050
Goodman	B11726-06	Q4100C9046
	B1401009	Q4100C9062
	B14010-15S	Q4100C9066
Grimsby Stove	ZCO-350	Q4100C9046
GSW	71082	Q4100C9062
	86483	Q4100C9062
HB Smith	9050	Q4100C9046
	50018	Q4100C9068
	101344	Q4100C9068
	11148245	Q4100C9068
Heatmaker	2400-048	Q4100C9042
	2400-286	Q4100C9042
	2400-359	Q4100C9042
	3079-100	Q4100C9042
	9330-102	Q4100C9042
Heil-Quaker	1001344	Q4100C9068
	1009604	Q4100C9062
	1009648	Q4100C9066
	1096048	Q4100C9066
	1148145	Q4100C9068
	10096047	Q4100C9062
Integra	3260618	Q4100C9046
Intercity	1009604	Q4100C9062
	1096048	Q4100C9066
Janitrol Goodman	0230K00001	Q4100C9048
	B1401009	Q4100C9062
	B1401015S	Q4100C9066
	B1401018	Q4100C9066
	B140109S	Q4100C9066
LB White	120-07549	Q4100C9046
Lennox	36N77	Q4100C9056
	36N7701	Q4100C9056
	96P01	Q4100C9042
	96P0101	Q4100C9042
	98P77	Q4100C9068
	98P78	Q4100C9054
Lochinvar	LCVT27021G	Q4100C9050
	PLT2702	Q4100C9050
Luxaire	25326250000	Q4100C9046
Maddox	201	Q4100C9056
Majestic	75-92-104	Q4100C9046
	75-92-105	Q4100C9046
Metzger	201N	Q4100C9046
	201W	Q4100C9046

Manufacturer	Part Number	Resideo Part Number
Mor-Flo	3200580	Q4100C9050
	3200618	Q4100C9046
	3210401	Q4100C9050
Nordyne	105141000	Q4100C9046
	632-0770	Q4100C9046
	632-0880	Q4100C9046
Norton/ St. Gobain	201	Q4100C9056
	271	Q4100C9056
	201A	Q4100C9042
	201B	Q4100C9050
	201D	Q4100C9068
	201J	Q4100C9050
	201K	Q4100C9046
	201L	Q4100C9046
	201M	Q4100C9050
	201N	Q4100C9046
	201P	Q4100C9046
	201R	Q4100C9046
	201R	Q4100C9056
	201W	Q4100C9046
	201Y	Q4100C9050
	271A	Q4100C9042
	271M	Q4100C9048
	271M	Q4100C9050
	271M	Q4100C9056
	271N	Q4100C9046
	271NM	Q4100C9062
	271NM	Q4100C9066
	271P	Q4100C9068
	271Q	Q4100C9042
	271W	Q4100C9046
	271Y	Q4100C9050
	MB258909	Q4100C9042
	MB258910	Q4100C9056
	MB258911	Q4100C9046
	MB258912	Q4100C9048
	MB457025	Q4100C9054
	MB457025	Q4100C9066
	MB457026	Q4100C9068
	MB457027	Q4100C9050
	MB457038	Q4100C9052
	MB457551	Q4100C9058
	MB457555	Q4100C9056
	MB458902	Q4100C9062
	MB478264	Q4100C9046
	MB478265	Q4100C9054
	MB478266	Q4100C9054
	MB478267	Q4100C9068
	MB478268	Q4100C9062
	MB478270	Q4100C9058
	MB478272	Q4100C9062
	MB478601	Q4100C9050
Olsen	26789	Q4100C9046
Perfection Schwank	108803-G1	Q4100C9050
Raypak	50015	Q4100C9056
	600915	Q4100C9056
Raytheion	D9918202A	Q4100C9042
Rheem	904343000	Q4100C9056
	62-22441-01	Q4100C9046
	62-22441-01	Q4100C9054
	62-22668-93	Q4100C9054
	62-22868-02	Q4100C9046
	62-22868-82	Q4100C9060
	62-22868-93	Q4100C9060
	62-22868-93	Q4100C9046
Roberts Gordon	90436600	Q4100C9046
	904343000	Q4100C9056
Robertshaw	41-401	Q4100C9042
	41-401N	Q4100C9042

Manufacturer	Part Number	Resideo Part Number
	41-402	Q4100C9046
	41-402N	Q4100C9046
	41-403	Q4100C9056
	41-403N	Q4100C9056
	41-404	Q4100C9048
	41-404N	Q4100C9048
	41-405	Q4100C9068
	41-405N	Q4100C9068
	41-406	Q4100C9050
	41-406N	Q4100C9050
Robertshaw	41-407	Q4100C9052
	41-407N	Q4100C9052
	41-408	Q4100C9054
	41-408N	Q4100C9054
	41-409	Q4100C9056
	41-409N	Q4100C9056
	41-410	Q4100C9058
	41-410N	Q4100C9058
	41-411	Q4100C9060
	41-411N	Q4100C9060
	41-412	Q4100C9062
	41-412N	Q4100C9062
	41-414	Q4100C9066
Ruud	62-22868-02	Q4100C9046
	62-22868-93	Q4100C9046
Snyder General	1380654	Q4100C9056
	1380672	Q4100C9056
	1380680	Q4100C9056
Starlite	11120-100-1401	Q4100C9042
	11120-100-1402	Q4100C9046
	11120-100-1403	Q4100C9056
	11120-100-1405	Q4100C9048
	11120-100-1406	Q4100C9050
	11120-100-1407	Q4100C9052
	11120-100-1408	Q4100C9054
	11120-100-1409	Q4100C9056
Supco	SIG-106	Q4100C9050
	SIG107	Q4100C9062
	SIG-108	Q4100C9060
	SIG-401	Q4100C9042
	SIG-402	Q4100C9046
	SIG-403	Q4100C9056
	SIG-405	Q4100C9068
	SIG-406	Q4100C9050
	SIG-407	Q4100C9052
	SIG-408	Q4100C9054
	SIG-409	Q4100C9056
	SIG-410	Q4100C9058
	SIG-412	Q4100C9072
	SIG-414	Q4100C9066
Superior Fireplace	94851	Q4100C9046
Temp Controls	9302-094	Q4100C9068
Tempstar	1096048	Q4100C9066
	B138196P01	Q4100C9056
	B144676P01	Q4100C9058
	B144676P02	Q4100C9052
	B340039P01	Q4100C9054
Trane	IGN00026	Q4100C9056
	IGN00030	Q4100C9052
	IGN00034	Q4100C9054
	IGN00054	Q4100C9050
	IGN-0034	Q4100C9054
	IGN21	Q4100C9046
	IGN23	Q4100C9046
	IGN23	Q4100C9056
	IGN26	Q4100C9056
	IGN30	Q4100C9052
	IGN34	Q4100C9054
	ING00023	Q4100C9046

Manufacturer	Part Number	Resideo Part Number
Uni-Line	10530	Q4100C9062
	63467	Q4100C9046
	63468	Q4100C9056
	63469	Q4100C9048
	63470	Q4100C9068
	63472	Q4100C9052
	63473	Q4100C9054
	63474	Q4100C9056
	63475	Q4100C9058
	63477	Q4100C9060
	64346	Q4100C9062
	66201310530	Q4100C9062
	41-238	Q4100C9046
	41-242	Q4100C9046
Viessman	9302-094	Q4100C9068
Wayne Home Equipment	62821-001	Q4100C9046
	62821-002	Q4100C9058
	79074	Q4100C9046
Weil McLain	511-330-139	Q4100C9056
	511-330-188	Q4100C9050
	511-330-190	Q4100C9048
	511-330-193	Q4100C9056
Whirlpool	99794322	Q4100C9042
	99794323	Q4100C9046
	99794326	Q4100C9050
	99794328	Q4100C9054
	999794327	Q4100C9052
White Rodgers	99796417	Q4100C9068
	99911563	Q4100C9070
	99911564	Q4100C9072
	#NULL!	Q4100C9044
	#NULL!	Q4100C9040
	#NULL!	Q4100C9068
	767-301	Q4100C9068
	767-A303	Q4100C9040
	767A-306	Q4100C9068
	767A-309	Q4100C9070
	767A-310	Q4100C9070
	767A-311	Q4100C9072
	767A-35	Q4100C9046
	767A-350	Q4100C9050
	767A-352	Q4100C9042
	767A353	Q4100C9040
	767A-354	Q4100C9068
	767A-356	Q4100C9042
	767A-356	Q4100C9044
	767A-357	Q4100C9040
	767A-361	Q4100C9068
	767A-364	Q4100C9072
	767A-365	Q4100C9070
	767A-366	Q4100C9042
	767A-369	Q4100C9042
	767A-369	Q4100C9042
	767A-370	Q4100C9056
	767A-371	Q4100C9046
	767A-372	Q4100C9054
	767A-373	Q4100C9062
	767A-374	Q4100C9050
	767A-376	Q4100C9056
	767A-377	Q4100C9058
	767A-382	Q4100C9048
	767A-383	Q4100C9060
	767A-384	Q4100C9066
Williamson	950	Q4100C9046
York	025-25435-000	Q4100C9070
	025-27766-000	Q4100C9068
	025-27774-000	Q4100C9068
	025-29043-000	Q4100C9068
	025-29050-000	Q4100C9068
	025-32625-000	Q4100C9046

UNIVERSAL ELECTRONIC FAN TIMER

The new universal platform that will not only integrate control of all combustion blower and circulating an operations in a gas warm air appliance but also replace most ST9120, ST9141 and ST9160 fan timer boards. Save room on your truck or on your shelves with a supply of ST9120U1011 timers and know you're covered.

When selecting fan timers for your next job, look for these Resideo features:

- Universal application
- Easy installation
- Quality construction for long service life

ST9120U1011

- Replaces 44 existing Resideo controls to reduce inventory
- Integrates control of all combustion blower and circulating fan operations in a gas warm-air appliance
- Replaceable fuse
- DIP switch selectable heat and cool delay on and off times
- Diagnostic LED
- EAC and HUM convenience terminal connections and continuous low speed indoor air circulation are provided

ST9120U Replaces Over 44 Existing Models

ST9101A1006	ST9120C3018	ST9120G4038	ST9160B100
ST9101A1014	ST9120C4008	ST9120U1003	ST9160B1019
ST9101A1022	ST9120C4016	ST9141A1002	ST9160B1027
ST9120A2004	ST9120C4040	ST9141A1028	ST9160B1035
ST9120B1005	ST9120C4057	ST9141B100	ST9160B1043
ST9120C1012	ST9120C5005	ST9150A1003	ST9160B1050
ST9120C1020	ST9120C5013	ST9150B2000	ST9160B1068
ST9120C2002	ST9120D3009	ST9150B2018	ST9160B1076
ST9120C2010	ST9120G2024	ST9150B2026	ST9160B1084
ST9120C2028	ST9120G2032	ST9150B2034	ST9160C1000
ST9120C3000	ST9120G4004	ST9160A1002	ST9160C1018

Universal Electronic Fan Timer OEM Replacement Guide

RECOMMENDED DIP SWITCH SETTING

Replacement Control Model Number	Original OEM Appliance	1	2	3	4	5
ST9101A1006	Rheem	Off	Off	Off	Off	Off
ST9101A1014	Rheem	Off	Off	Off	Off	Off
ST9101A1022	Trade	Off	Off	Off	Off	Off
ST9120A1006	Armstrong	Off	Off	Off	Off	Off
ST9120A2004	Armstrong	On	Off	On	Off	Off
ST9120B1005	Ducane	Off	Off	Off	Off	Off
ST9120C1012	Snyder General	On	Off	Off	Off	Off
ST9120C1020	Nordyne	On	Off	Off	Off	Off
ST9120C2002	York	Off	Off	Off	Off	Off
ST9120C2010	Ducane	Off	On	Off	Off	Off
ST9120C2028	Armstrong	Off	Off	Off	Off	On
ST9120C3000	ICP	Off	Off	On	On	Off
ST9120C3018	Bard	On	Off	Off	Off	On
ST9120C4008	ICP	Off	Off	On	On	Off
ST9120C4016	ICP	Off	Off	On	On	Off
ST9120C4040	ICP	Off	Off	On	On	Off
ST9120C4057	ICP	Off	Off	On	On	Off
ST9120C5005	ICP	Off	Off	On	Off	Off
ST9120C5013	ICP	Off	Off	Off	Off	Off
ST9120 3009	Goodman	Off	Off	On	Off	On
ST9120 2008	ICP	On	Off	Off	Off	Off
ST9120 2016	ICP	Off	Off	Off	On	Off
ST9120 2024	Skymark	Off	On	Off	On	Off
ST9120 2032	Skymark	Off	On	Off	Off	On
ST9120 4004	ICP	Off	Off	On	On	Off
ST9120 4012	ICP	Off	Off	On	On	Off
ST9120 4038	Trade	Off	Off	On	On	Off
ST9120U1003	Trade	Off	Off	On	Off	Off
ST9141A1002	Consolidated Industries	Off	Off	On	Off	On
ST9160B1035		Off	Off	Off	Off	Off
ST9160B1068	Armstrong	On	Off	Off	Off	On
ST9160B1076	Ducane	Off	Off	Off	Off	Off
ST9160B1084	ICP	Off	Off	On	Off	On
ST9120U Factory Default Settings		Off	Off	Off	Off	Off

UNIVERSAL INTEGRATED FURNACE CONTROL

The Resideo Hot Surface Ignition Universal Integrated Furnace Control offers universal compatibility and remote monitoring and diagnostics. Able to replace a large number of furnace controls in single-stage heating and cooling appliances. Resideo UIFCs are the only controls you need for residential natural or liquid propane fueled furnaces.

When selecting furnace controls for your next job, look for these Resideo features:

- Replaces over 195 furnace controls
- Complete set of wiring harnesses for universal compatibility, simplified installation and field-adjustable timings
- LED indicators provide system status, performance and diagnostic information
- EnviraCOM™ communications enabled

HSI UNIVERSAL INTEGRATED FURNACE CONTROL

- Complete set of wiring harnesses for universal compatibility and simplified installation allowing for direct replacement of competitive boards. Now available with new 12 x 12 pin main harness
- LED indicators provide system status, performance and diagnostic information
- Engineered for reliability and long-term performance

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, PCBBF136, PCBBF140
ICM	ICM280
IPC	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, 4310197210, 52537074000, 52537077000, 031.01234.000, 031-00662000, 031-01250-700, 031-01266-700, 031-01267-00, 331-09167-000, 431-01972-100, 3101114000, 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, PT 031011400-00

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Universal Integrated Furnace Control Selection Guide

	SKU	Harness	Field Settings Recommendation				Safety Time Settings	
			SW1	SW2	SW3	SW4	SW1	SW2
Amana/ Goodman[1]	1809913, B1809913, B18099-13	Main Connector - E Inducer & HSI Connector	On	Off	60/90/120/180	60/90/120/180	Off	On
	10207701	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	10207702	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	10207703	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	10207704	Inducer & HSI Connector - G	On	Off	On	Off	Off	Off
	10207706	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	10207710	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	10207714	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	10207719	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	102077-02	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	102077-03	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	102077-04	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	102077-09	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	102077-19	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
ICM	ICM280	Main Harness E & Inducer/HSI Harness F	Check Control Field Settings				Check Control Safety Timings	
ICP	1010806	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	1380686	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
	1380698	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	1380699	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	1380-686	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
	1380-699	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
Lennox	1214201	Inducer/HSI Harness A	On	Off	On	Off	Off	Off
	X445901	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	Off
Nordyne	624557	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624564	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624591	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624628	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	902378	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	902696	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	903106	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	6245570	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	6245640	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	6246310	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624557-0	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624591-A	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624591-B	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624591-C	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624591-D	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624628-0	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624631-0	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624631A	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624631-A	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	624631-B	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	710128A	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off
	CAR903106	Main Harness D & Inducer/HSI Harness B	On	Off	60/90/120/180	60/90/120/180	On	Off

[1] Wiring harness G should be used if the control being replaced has a 2-pin inducer/igniter connector instead of a 4-pin inducer/igniter connector.

	SKU	Harness	Field Settings Recommendation				Safety Time Settings	
			SW1	SW2	SW3	SW4	SW1	SW2
Other Manufacturers	350486	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	8068142	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	8068561	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	8068563	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	10334901	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	99958174	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	99958175	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	X13120666010	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
Rheem/ Robert Shaw	62-24268-01	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
	62-24268-02	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
	62-24268-03	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
	695-200	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
Texas Instruments	41F-5	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	50T35730	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	50T35-730	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	50T35743	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	50T35-743	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	61F3	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
	6DT-1	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
	6DT-2	Inducer/HSI Harness A	On	Off	60/90/120/180	60/90/120/180	Off	On
Trane	CNT03740	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	On	Off	60/90/120/180	60/90/120/180	Off	
	CNT1309	Inducer & HIS Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	CNT1616	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Check settings	Off	60/90/120/180	60/90/120/180	Off	Off
	CNT1848		Check setting	Off	60/90/120/180	60/90/120/180	Off	On
	CNT1849		Check settings	Off	60/90/120/180	60/90/120/180	Off	Off
	CNT2181	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Check settings	Off	60/90/120/180	60/90/120/180	Off	On
	CNT2182		Check settings	Off	60/90/120/180	60/90/120/180	Off	Off
	CNT2183		Check settings	Off	60/90/120/180	60/90/120/180	Off	Off
	CNT2789	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	On	Off	60/90/120/180	60/90/120/180	Off	Off
	D330927P01		Off	Off	60/90/120/180	60/90/120/180	Off	Off
	D330930P01		Off	Off	60/90/120/180	60/90/120/180	Off	Off
	D330934P01		Off	Off	60/90/120/180	60/90/120/180		
	D340035P01	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Off	Off	60/90/120/180	60/90/120/180	Off	Off
	D340354P01		Off	Off	60/90/120/180	60/90/120/180	Off	Off
	D340774P01		Off	Off	60/90/120/180	60/90/120/180	Off	Off
	D340790P01	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Check settings	On	60/90/120/180	60/90/120/180	Off	Off
	D341122P01		Check settings	On	60/90/120/180	60/90/120/180	Off	Off
	D341235P01		On	Off	On	Off	Off	Off
United Technologies	1012-83-9336AHSC1	Main Connector - E Inducer & HSI Connector - F	On	Off	On	Off	Off	On
	1012-83-9337A	Main Connector - E Inducer & HSI Connector - F	On	Off	On	Off	Off	On
	1012-83-9651B	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	Off	On
	1012-925A	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	On	On
	1012-925B	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
	1012-925C	Main Connector - D Inducer & HSI Connector - C	On	Off	60/90/120/180	60/90/120/180	On	On
	1012933D	Main Connector - D Inducer & HSI Connector - C	On	Off	On	Off	Off	On
	1012-933D	Main Connector - D Inducer & HSI Connector - C	On	Off	On	Off	Off	On
	1012955A	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	On	Off
	1012-955A	Main Connector - E Inducer & HSI Connector - F	On	Off	60/90/120/180	60/90/120/180	On	Off

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Universal Integrated Furnace Control Selection Guide

	SKU	Harness	Field Settings Recommendation				Safety Time Settings	
			SW1	SW2	SW3	SW4	SW1	SW2
White-Rodgers	50A50-110	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-111	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-112	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-113	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-130	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-131	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-142	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-143	Inducer & HSI Connector - A	On	Check Settings	60/90/120/180	60/90/120/180	Off	On
	50A50-205	Inducer & HSI Connector - A	On	Off	On	Off	Off	On
	50A50-206	Inducer & HSI Connector - A	On	Off	On	Off	Off	On
	50A50-207	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	50A50-208	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-209	Inducer & HSI Connector - A	On	Off	On	On	Off	On
	50A50-210	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-215	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-216	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-229	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-230	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-240	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-241	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-245	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-285	Inducer & HSI Connector - G	Off	Off	On	Off	Off	Off
	50A50-286	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-288	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	50A50-295	Inducer & HSI Connector - G	On	Off	On	Off	Off	On
	50A50-296	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-298	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-405	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Off	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-406		Off	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-407	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A50-408	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-438	Inducer & HSI Connector - A	Check Setting	On	60/90/120/180	60/90/120/180	Off	On
	50A50-471	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Off	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-472	Inducer & HSI Connector - A	Check Setting	On	60/90/120/180	60/90/120/180	Off	Off
	50A50-473	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Off	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-474		Off	Off	60/90/120/180	60/90/120/180	Off	On
	50A50-475	Inducer & HSI Connector - A	On	On	60/90/120/180	60/90/120/180	Off	Off
	50A50-571	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-120	Inducer & HSI Connector - A	Off	Off	On	Off	Off	Off
	50A55-143	Inducer & HSI Connector - A	On	30/60	60/90/120/180	60/90/120/180	Off	Off
	50A55-241	Inducer & HSI Connector - A	On	Off	On	On	Off	On
	50A55-245	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-250	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-285	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-286	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	50A55-288	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-288-05	Inducer & HSI Connector - G	On	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-438	Inducer & HSI Connector - A Add jumper on harness connector (Roll-out switch)	Check Settings	Off	60/90/120/180	60/90/120/180	Off	Off
	50A55-474		Off	Off	On	Off	Off	Off
	50A55-571		Off	Off	On	Off	Off	Off
	50A55-843-Universal	Inducer & HSI Connector - A	Check Settings	Check Settings	60/90/120/18	60/90/120/18	Off	Off

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	SKU	Harness	Field Settings Recommendation				Safety Time Settings	
			SW1	SW2	SW3	SW4	SW1	SW2
York	3101250000						Off	Off
	5253733900						Off	Off
	31011140002						Off	On
	43101972100						Off	On
	52537074000						Off	Off
	52537077000						Off	Off
	031.01234.000						Off	On
	031-00662						Off	Off
	031-00662						Off	On
	031-00662000						Off	On
	031-00662-000						Off	On
	031-00662-700						Off	On
	031-01140-000						Off	On
	031-01140-001						Off	On
	031-01140-002						Off	On
	031-01140-701						Off	On
	031-01140-702						Off	On
	031-01234-700						Off	On
	031-01235-000						Off	On
	031-01235-700						Off	On
	031-01250-000						Off	On
	031-01250-700						Off	Off
	031-01266-000						Off	On
	031-01266-700						Off	On
	031-01267-00						Off	On
	031-01267-000	Inducer & HSI Connector - A	On	Off	60/90/120/180	60/90/120/180	Off	On
	031-01267-001						Off	On
	031-01267-001A						Off	On
	031-01284-000						Off	On
	031-01933-000						Off	On
	031-01972-000						Off	On
	031-01973-000						Off	On
	031-02166-000						Off	On
	031-09166-000						Off	On
	031-09167-000						Off	On
	331-01933-000						Off	On
	331-01972-200						Off	On
	331-09167-000						Off	On
	431-01972-100						Off	On
	CAR03101973000						Off	On
	CAR33101972200						Off	On
	CAR50A55843						Off	On
	G951ADB1401						Off	On
	G951ADB1401C						Off	On
	G951ADB-1401C						Off	On
	G951ADB1402						Off	On
	G951ADB-1402						Off	On
	G951AEB-1403						Off	On
	P03101267001						Off	On
	P031-01267-001						Off	On
	PTH031011400-00						Off	On

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FAN AND LIMIT CONTROLS

Resideo fan and limits combines high temperature limit with circulating blower control. As an industry standard for many years, these controls have a large and varied installed base. You'll find Resideo fan and limits on a wide range of furnace equipment. Our universal family increases service efficiency and reduces truck and warehouse inventory.

Key features for the family of universal fan and limits:

- Family members cover the full range of insertion — 5", 8", 11-1/2"
- Adjustment tool and cross reference allow for field adjustment to factory settings
- Universal kit accessories reduce inventory

L4064
HIGH LIMIT AND FAN CONTROLLER

- Used in all types of forced-air heating systems
- Three wiring terminal options available for easy installation
- Available in a variety of fan and high-limit setting ranges
- Controls adapt to many competitive mounting holes in replacement applications
- Push-in receptacles for stripped wire
- L4064 models for timed fan on
- Special high temperature limit models available
- Suitable for line voltage, low voltage or millivoltage control applications

Fan and Limits Selection Guide

Model	OS#	Region	Element Insertion Length (in.)	Replaces	High Limit Stop	Fan-On Stop	Fan-Off Stop	Manual Fan Button	Manual Reset	Switching Action
L4064	L4064B2228	US/Canada	5	L4064A1339, L4064A1503, L4064A1586, L4064A2402, L4064A2659, L4064A2980, L4064B1469, L4064B1683, L4064B2228, L4064B2640, L4064B2657, L4064B2681, L4064B2889, L4064B2897, L4064B2947, L4064B3010, L4064B3143, L4064B3143, L4064B3374, L4064B3432, L4064B3440, L4064B3473, L4064B3598, L4064E1983, L4064E2437, L4064E2544, L4064L1046	200°F 97°C"	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST– N.C. (break on rise)
	L4064R1159	US/Canada	5	L4064E1835, L4064E255, L4064L1145, L4064R1043, L4064R1050, L4064R1159	250°F 121°C	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST –N.C. (break on rise)
	L44064B2236	US/Canada	8	L4064A1347, L4064A1511, L4064A1719, L4064A1735, L4064A2030, L4064A2279, L4064A2998, L4064B1618, L4064B2236, L4064B2608, L4064B2772, L4064B2822, L4064B2905, L4064B2905, L4064B2962, L4064B3051, L4064B3085, L4064B3325, L4064B3333, L4064B3341, L4064B3366, L4064B3457, L4064B3499, L4064B3572, L4064E1777, L4064E2163, L4064E2171, L4064E2452, L4064E2502, L4064E2684, L4064F1023, L4064F1031, L4064F1080, L4064F1098, L4064L1004, L4064A2774	200°F 97°C"	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST– N.C. (break on rise)
	L4064R1142	US/Canada	8	L4064A2469, L4064B1691, L4064B2616, L4064B2806, L4064B2814, L4064B2830, L4064B3390, L4064B3481, L4064B3507, L4064R1019, L4064R1118, L4064R1126, L4064R1142	250°F 121°C	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST –N.C. (break on rise)
	L4064B2210	US/Canada	11.5	L4064A1321, L4064A1453, L4064A2758, L4064A3012, L4064A3020, L4064A3038, L4064A3046, L4064B1451, L4064B1592, L4064B1717, L4064B1725, L4064B1931, L4064B2210, L4064B2723, L4064B2749, L4064B2848, L4064B2954, L4064B3036, L4064B3044, L4064B3077, L4064B3184 L4064B3465, L4064B3580, L4064E2056, L4064E2114, L4064E2130, L4064E2155	200°F 97°C"	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST– N.C. (break on rise)
	L4064R1134	US/Canada	11.5	L4064A2972, L4064B2756, L4064J1008, L4064K1006, L4064L1129 L4064N1074, L4064R1027, L4064R1035, L4064R1068, L4064R1134, L4064R1167	250°F 121°C	125°F 52°C	100°F 38°C	Yes	No	Fan: SPST–N.O. (make on rise), Limit: SPST –N.C. (break on rise)

* Fan On and Fan Off may need to be adjusted.

OIL PRIMARIES

Resideo has set the standard for oil-fired furnaces, boilers and water heaters when it comes to oil primary controls. In addition to delivering dependability and high quality products, Resideo has gone one step further to create an easy-to-use oil primary control designed to simplify installation and enhance maintenance. Our latest innovation will redefine that standard as the next generation of controls proves, it takes a legend to make one.

When selecting ignition modules for your next job, look for these Resideo features:

- Universal application with field adjustable timings
- Flexibility for use in single-rod or dual-rod systems
- Quality, reliability and safety of field proven controls
- Simplified installation

R7284U1004
UNIVERSAL DIGITAL ELECTRONIC OIL PRIMARY

- A single part number for nearly all applications helps reduce inventory cost
- 16 character two line tri-lingual display provides simple programming and diagnostics
- No additional tool to purchase to take advantage of all control features
- Monitors igniter and cad cell and alerts technician what component caused ignition failure
- Error history and baseline readings provide system performance trends
- 5-year warranty

R8184
PROTECTORELAY® OIL BURNER CONTROL

- Industry-standard intermittent ignition control
- Solid-state, flame-sensing circuit
- 45-second timing, safety switch
- Mounts on standard 4" x 4" junction box
- External button to manually reset safety switch after lockout
- 2-year warranty

R8182
COMBINATION PROTECTORELAY®
AND HYDRONIC HEATING CONTROLLERS

- Immersion-type Aquastat® controller and oil burner primary control
- Provides high limit and low limit/circulator control
- Use in intermittent ignition applications
- Circulator zone control with ZC and ZR terminals on R8182D, E, H, J
- 2-year warranty

W8735S3000
ENVIRACOM™ ALARM MODULE

- Works with any alarm generating EnviraCOM enabled control
- Local LED alarm present and communication active indication
- Simple low-voltage, 5-wire installation

Oil Primaries

Ignition Type	Universal Service Part	Direct Service Part Replacement	Lockout Time (Sec.)	Valve On Delay (Sec.)	Blower Off Delay (Min.)	Alarm contacts
Interrupted	R7184U1004	R7184U1004	15	0/15	0/2/4/6	Yes
		R7184A1026				
		R7184B1024		15		
		R7184P1098		15	0.25	
	R7184U1012	R7184U1012	30	0/15	0/2/4/6	Yes
		R7184A1034				
	R7184U1020	R7184U1020	45	0/15	0/2/4/6	Yes
		R7184A1042				
Intermittent	R7184U1004	R8184G4066	15			
	R7184U1012	R8184G4074	30			
	R7184U1020	R8184G4009	45			Winter 2006

Oil Primaries (cont.)

Manual Trip Lever w/ LED Indicator	Resideo Product	Carlin Product	White-Rodgers Product
Yes	R7184P1031, R7184P1049, R7184P1056, R7184P1064, R7184P1072	50200-02S, 602000-2S, 6020002S015120, 6020002S030015, 6020002S030015, 6020002S030030, 6020002S030120, 6020002S030300, 6020002S030010	
	R7184A1075, R7184A1000	40200-02S	669-640,669-670
	R7184B1032, R7184B1016		
	R7184P1080		
No			
	R7184A1018	42230-02S	669-440,669-445, 669-470,669-540
No			
Yes	R8184G1294, R8184G4045, R8184G4090		668-601, 668-670
Yes	R8184G1393, R8184G1302, R8184G4074, R8184G4033		668-501
Yes	R8184G1286, R8184G1427, R8184G4025, R8184G4082, R8184G1458	48245-S	668-401, 668-415, 668-430, 668-515

OUTDOOR RESET

The AquaReset™ improves comfort and efficiency inside because it knows the weather outside. Our new product is designed to help homeowners save on energy costs by operating their boiler at more efficient settings based on the actual outdoor temperature while providing the necessary heat to maintain a comfortable indoor temperature.

W8735Y1000
RESIDEO AQUARESET™ WIRELESS OUTDOOR RESET KIT

- Upsell opportunity for contractors during a new boiler installation when an Outdoor Reset Ready Aquastat® (L7224/L7248) is present

- Improves boiler efficiency by resetting the boiler water temperature based on the outdoor temperature

- Quick and easy install

- Compatible with any L7224/L7248 Outdoor Reset Ready Aquastat®, S9361A Integrated Boiler Control, and R7910 SOLA Controls

- Kit includes Wireless AquaReset™ module (W8735ER1000) and wireless sensor (C7089R1013)

W8735S1000
### RESIDEO AQUARESET™ OUTDOOR RESET KIT

- Designed to improve boiler efficiency by automatically resetting boiler water temperature based on outdoor temperature

- Upsell opportunity for contractors during a new boiler installation when an Outdoor Reset Ready Aquastat® is present

- Simple installation with three wire connection to the Aquastat®

- Compatible with any L7224/L7248 Outdoor Reset Ready Aquastat®, S9361A Integrated Boiler Control, and R7910 SOLA Controls

W8735S1008
RESIDEO AQUARESET™ DOMESTIC HOT WATER KIT

Required for domestic hot water override with some Resideo AquaReset™ installation®*

- Compatible with Resideo AquaReset™ wired and wireless kits

- Ensures domestic hot water needs are met when combining AquaReset™ with an indirect DHW tank

- Easy three-wire installation to AquaReset™ module

*Kit required to enable domestic hot water override functionality with Indirect DHW tank when the Zr terminal on the Aquastat® is not used or available for DHW demand. See instructions or visit customer.resideo.com for complete details.
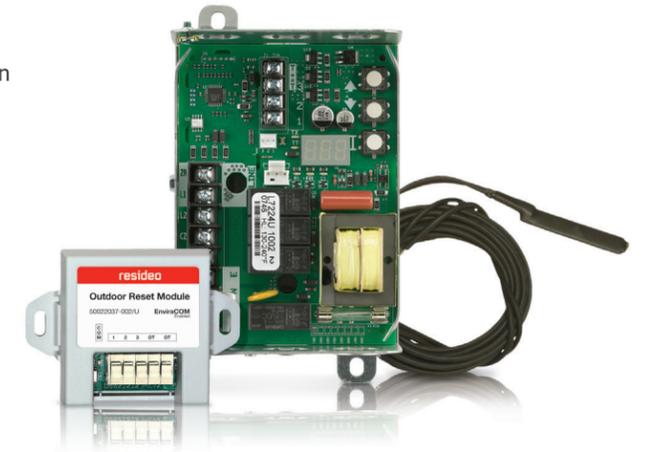
AQUASTAT®

The boiler industry-standard, Resideo Aquastats have a proven track record, wide OEM new equipment usage and a large installed base. Our electronic Aquastat® family builds on this reputation while adding performance-enhancing features. Resideo service parts have you covered, offering universal compatibility and improved service call efficiency — while keeping both distributor and contractor satisfaction in mind.

When selecting an Aquastat® for your next job, look for these Resideo features:

- Broad range and flexibility covers a variety of applications and needs
- Universal versions allow multiple mounting and configuration capability
- Universal versions reduce inventory and assure truck availability
- Electronic versions include communications as a standard feature, allowing add-on efficiency, troubleshooting and monitoring capability
- EnviraCOM™ communications-enabled

MULTI-FUNCTION

L7224
UNIVERSAL OIL ELECTRONIC AQUASTAT®

- Diagnostic updates through easy-to-read LED displays
- +/- 2˚ F accuracy
- Adjustable high- and low-limit differential
- Outdoor reset functionality available with W8735S1000 and W8735Y1000
- Provides multi-zone control
- Thermowell horizontal or vertical and flush mounting
- EnviraCOM™ communications-enabled
- Compatible with W8735S3000 Alarm Module

MULTI-FUNCTION

L8124/L8148
TRIPLE AQUASTAT® RELAY

- Oil and gas versions
- High-limit or high-and-low-limit versions
- Mounts directly on boiler horizontally or vertically
- Provides multi-zone control
- Immersion-type controllers that combine high limit protection with low limit and circulator control in forced hydronic heating systems
- The L8148 includes a transformer to provide power for the low-voltage control circuit
- Gas versions include a transformer to provide power for the low voltage circuit

SINGLE-FUNCTION

L6006/L4006
AQUASTAT® CONTROLLER

- Totally enclosed Micro Switch snap-acting switches operate on temperature rise to set-point
- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical insertion of sensing element
- Direct or well immersion of the sensing element
- SPST and SPDT switching action

SINGLE-FUNCTION

L6008/L4008
AQUASTAT® CONTROLLER

- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical mounting of the remote element into boiler, tank or other container
- Fast-responding remote temperature sensor
- SPDT or SPST switching action

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Product Number	Switch Configuration	Thermowell Included	Thermowell Spud Size −14 NPT (in.)	Capillary Length (in.)2	Manual Reset	Operating Temp. Range (°F)	Factory Stop (°F)	Differential Temp. (°F)	Electrical Ratings[4]
		SENSOR AND THERMOWELL				FEATURES AND FUNCTIONS			
L4006A1009		Yes	1/2	1-1/2		100 to 240		5 Fixed	A
L4006A1017		Yes	1/2	1-1/2		100 to 240		5 to 30	A
L4006A1132		Yes	3/4	3		100 to 240	160	5 Fixed	A
L4006A1678				3		100 to 240		5 to 30	A
L4006A1959				3		40 to 180		2 Fixed	B
L4006A1967		Yes	1/2	1-1/2		100 to 240³		5 to 30	A
L4006A2007				3		100 to 240		5 to 30	A
L4006E1042					Yes	130 to 270³	240		A
L4006E1067	SPST - N.C. (break on rise)			3	Yes	130 to 270			A
L4006E1091				3	Yes	130 to 270			A
L4006E1125				3	Yes	100 200			D
L4006H1004				1-1/2		100 to 240³	240		D
L4008A1015				66		100 to 240³		5 to 30	A
L4008A1130				120		130 to 270		5 to 30	A
L4008E1156				66	Yes	130 to 270	250		A
L4008E1305				66	Yes	100 to 240	240		A
L4008E1313				66	Yes	100 to 240³			A
L4006B1007		Yes	1/2	1-1/2		100 to 240		5 Fixed	A
L4006B1155				3		100 to 240		5 to 30	A
L6006A1004		Yes	1/2			100 to 240		5	A
L6006A1012		Yes	1/2	1-1/2		100 to 240		5 to 30	A
L6006A1145				3		100 to 240	240	5 to 30	A
L6006A1244	SPDT			3		100 to 40		5 to 30	A
L6006C1018						65 to 200		5 to 30	A
L6008A1192				66		100 to 240	240	5 to 30	A
L6008A1242				66		100 to 200³		5 to 30	A

All mounting is universal horizontal or vertical mounting unless noted.
All Tradeline Aquastats® include heat-conductive compound.
[1] Product Numbering
　400X=SPST, 600X=SPDT
　X006=Thermowell Sense, X008=Remote Sense
　A Break on Rise
　B Make on Rise
　D Break on Rise w/o Cover
　E Break on Rise w/Manual Reset
　G Two SPDT
　H Make on Rise w/Strap-On Mount

Capillary Length if less then 3" then insulation depth of thermowell
[3] All manual reset models comply with the CSD-1 requirement for Manual Reset. Devices with maximum Range of 200°F, 190°F 180°F are designed to meet local code requirements regarding maximum setpoints. Units having scale ranges above 240°F do not comply with ASME Section IV for boilers, use 240 Maximum range Aquastats.
[4] Electrical Ratings
　A Millivolt: 0.25 A @ 0.25 to 12 Vdc; AFL: 8 A @ 120 Vac/5.1 A @ 240 Vac ALR: 48 A @ 120 Vac/30.6 A @ 240 Vac
　D Millivolt: 0.25 A @ 0.25 to 12 Vdc; AFL: 1.3 A @ 240 Vac/8 A @ 120 Vac; ALR: 48 A @ 120 Vac/30.6 A @ 240 Vac
　B AFL: 2.6 A @ 120 Vac/1.3 A @ 240 Vac; ALR: 15.6 A @ 120 Vac/7.8 A @ 240 Vac
　H AFL: 8 A @ 120 Vac/1.3 A @ 240 Vac; ALR: 48 A @ 120 Vac/30.6 A @ 240 Vac

Product Number	Notes	OEM or Trade Product Number
		CROSS REFERENCE
L4006A1009		
L4006A1017		L4080B, L4080D Families, L4006A1058, L4006A1827, L4006A2015
L4006A1132		L4006A2023
L4006A1678		
L4006A1959		
L4006A1967		
L4006A2007		
L4006E1042	Canada Only	
L4006E1067		L4006E1091, L4006E1109, L4006E1117, L4006E1125, L4006E1133 L4006E1091
L4006E1091		
L4006E1125		
L4006H1004	Bracket for Strap-On Mounting	
L4008A1015		
L4008A1130		
L4008E1156		L4008E1040, L4008E1248, L4008E1321
L4008E1305		L4008E1271, L4008E1313
L4008E1313	Meets Certain State Specific Boiler Inspector Requirements	
L4006B1007		
L4006B1155		L4006B1189, L4008B1163
L6006A1004		
L6006A1012		L6006A1160, L6006A1269, L6006A1301, L6006A1327, L6006A1335
L6006A1145	Horizontal Mount Only	L4006A1004
L6006A1244		
L6006C1018	Includes Surface Mount Using 1/4" NPT Female Threads or Surface Mount Through Base of Case	L6006C1034, L6006C1059
L6008A1093		
L6008A1192		

Multi-Function Aquastat® Selection Guide

	FUEL		LOW LIMIT		HIGH LIMIT	
Product Number	Gas	Oil	Operating Range, Low Limit (°F)	Differential Temperature, Low Limit (°F)	Operating Range, High Limit (°F)	Differential Temperature, High Limit (°F)
7224U1002		•	110 to 220	10 to 25	130 to 240	5 to 20 adj.
6081A1036	•	•	11 to 220	10 to 25	130 to 240	10 fixed
8148E1265	•				180 to 240	15 fixed
8124E1016	•		110 to 220	10 to 25	130 to 240	10 fixed
8148J1009	•				120 to 240	8 fixed
8124A1007		•	110 to 220	10 to 25	130 to 240	10 fixed
8124C1003		•	110 to 220	10 to 25	130 to 240	10 fixed
8124 1020		•	110 to 220	10 to 25	130 to 240	10 fixed
8124 1011		•	110 to 220	10 to 25	130 to 240	10 fixed
8148A1017		•			140 to 240	8 fixed

*Replacement sensors for the L7224U

OS Number	Length
50001464-001	12"
50001464-004	36"
50001464-005	48"

Multi-Function Aquastat® Selection Guide

	FEATURES AND FUNCTIONS					CROSS REFERENCE
Product Number	Factory Stop (°F)	Switching Action	Anticipator Setting	Mounting	Notes	OEM Part Number
7224U1002		3 SPST: High and Low Limit, Circulator	0.1 A	V / H / F	Universal Oil, Digital Display and Settings, Used with Oil Burner Applications, EnviraCOM® Communications	Replaces all members of these families: L8124A or C, L8148A or C, L7224A or C, L7248A or C, L8151A
6081A1036		SPDT		H		L6081A1010, L6081A1069, L4081A1023, L4081A1148, L4081A1155, L4081A1171, L4081A1189, L4081A1197
8148E1265		2 SPST: High Limit & Circulator	0.2 A	V		L8148E1158, L8148E1182, L8148E1216, L8148E1065
8124E1016		2 SPST: High & Low Limit	0.2 A			
8148J1009	240	2 SPST: High Limit & Circulator	0.2 A	V / H		
8124A1007			0.2 A	V		L8124A1015, L8124A1049, L8124A1106, L8124A1114, L8124A1130, L8124A1155
8124C1003		2 SPST: High & Low Limit	0.2 A	H		L8124C1094, L8124C1102
8124 1020		2 SPST: High & Low Limit	0.2 A	V		L8124G1004, L8124G1012
8124 1011		2 SPST: High & Low Limit	0.2 A	H		L8124L1003, L8124L1029, L8124G1038, L8124G1046
8148A1017	240	2 SPST: High Limit & Circulator	0.2 A	H		L8148A1165, L8148A1157, L8148A1124, L8148A1090, L8148A1082, L8148A1009

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AQUAPUMP

Another essential part to our complete boiler line. Resideo offers everything between the boiler and the radiator.

AquaPUMP eliminates the guesswork in the boiler room. With three sizes, multiple speeds for each size and the unique Twist-To-Fit flange, AquaPUMP has you covered for every application. And because a single AquaPUMP can replace a wide range of competitive models, you can handle nearly all retrofits with just one brand.

- Twist-To-Fit Universal Flange rotates 90° to fit every application
- Threaded conduit connection
- Stainless steel plate and can
- Impeller engineered for a quieter, more efficient operation
- Increased torque for startup after time off-line
- Ceramic bearings and shaft
- Check valve available for all pumps separately
- 5-year Limited Warranty

Use this cross-reference tool to meet your installation needs.
Each Resideo circulator replaces both regular and rotated flange models.

AquaPUMP

RESIDEO			GRUNDFOS		TACO		BELL & GOSSETT	ARMSTRONG	WILO	
Model	Pump Length	Speed	Single Speed	3-Speed	Single Speed	3-Speed			Single Speed	3-Speed
PC3F1558IUF00	6.5"	High	UP-42F-FC	UPS15-58 High UPS15-58-FC High	005F, 007F, 008F, 008F- IFC	00R High 00R Med	NRF-22 LR-20WR	Astro 30, Astro 30-3, Astro 50-3, Astro 230C1	Star 16	Star S16 High
PC3F1558IUF00	6.5"	Medium	UP15-42FC	UPS15-58 Low UPS15-58-FC Low	005F- IFC, 006F, 006F- IFC 007F- IFC	00R Low	NRF9F/LW NRF-25 Med			Star S16 Med
PC3F1558IUF00	6.5"	Low	UP15-18F, UP15-18F-FC							Star 5 S16 Low
PC3F2699IUF00	6.5"	High	UP26-96F, UP26-96F-FC UP26-116F, UP26-116F-FC	UPS26-99 High UPS26-99-FC High	0011F, 0011F-IFC 0013F 0013F-IFC		NRF-36 Med NRF-45 Med H-41	E7, Astro 50, Astro 50-3		S21 High
PC3F2699IUF00	6.5"	Medium	UP26-64F, UP26-99FC	UPS26-99 Low UPS26-99-FC Low	0014F, 0014F- FC		Series 100			S21 Med
PC3F2699IUF00	6.5"	Low					NRF-33			Star S21 Low
PC3F4344IUF00	8.5"	High	UP43-44F, UP43-44F-FC	UPS43-44 High UPS43-44-FC High			HV, H-32	E16		
PC3F4344IUF00	8.5"	Medium		UPS43-44 Med US43-44-FC Med	0010F, 0012F- FC	0010 Med	NRF-33	H32		
PC3F4344IUF00	8.5"	Low		UPS43-44 Low UPS43-44-FC Low	0010F-IFC	0010 Low				

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RELAYS/CONTACTORS/TRANSFORMERS

Resideo offers a complete range of relays, contactors and transformers for all your residential and commercial HVAC applications. All Resideo products are designed to exceed safety and industry life cycle standards. In order to meet these criteria, a statistically significant sample of Resideo products are tested to failure and to our stringent qualification requirements. This testing methodology enables Resideo to verify that these products will exceed industry standards.
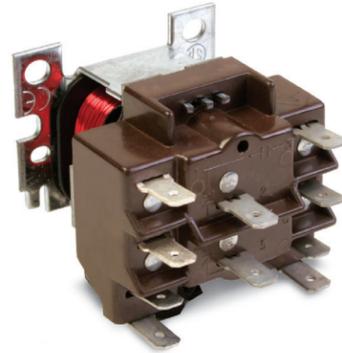
RELAYS

Resideo's switching relays are available in multiple configurations for various applications. For whatever you need — general purpose relays or electric heat relays — Resideo has you covered.

- **General Purpose and Heavy-Duty Switching Relays** — R4222, R8222, R4228 and R8228 for use in refrigeration and air-conditioning equipment, appliances and vending machines
- **Fully Enclosed Line and Low-Voltage Fan Relays** — R4225 and R8225 for control of line voltage fan motors and auxiliary circuits.

Relays

Input Voltage/ Coil Voltage	Switching	Product Number	Full Load Amp Rating	Frequency		Electrical Connections (main)	Special Features
24 Vac	DPST N.O.	R8228D1018	5.5	A	1 7/8 x 2 5/32 x 2 3/8	Q	
24 Vac	DPDT (1 P & 1 P Duty)	R8222V1003	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
24 Vac	DPDT — Pilot Duty	R8222N1011	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	Pilot duty
24 Vac	DPDT	R8222D1014	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
24 Vac	SPDT	R8222B1067	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
120 Vac	DPDT — Pilot Duty	R4222N1002	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
120 Vac	DPDT	R4222D1013	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
120 Vac	SPDT	R4222B1082	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
208/240 Vac	DPDT	R4222D1021	12	A	1 7/8 x 2 5/32 x 2 3/8	Q	
24 Vac	SPDT	R8225A1017	14	B	2 11/16 x 2 1/2 x 3 7/16	L	
24 Vac	DPST N.O.	R8225D1003	14	B	2 11/16 x 2 1/2 x 3 7/16	L	
24 Vac	SPDT	R8228B1012	18	A	1 7/8 x 2 5/32 x 2 3/8	Q	

Electric Heat Relays

24 Vac	DPST	R8229A1005	7	B	2 3/16 x 2 3/32 x 2 1/4	CHS	
24 Vac	DPST	R8229A1021	7	B	2 3/16 x 2 3/32 x 2 1/4	CHS	Extra mounting hardware

Electric Heat Contactor

24 Vac	DPST	R8246A1038	30		2 3/16 x 2 1/4 x 3 5/16	Q, S	

Frequency: A — 60 Hz/50 Hz; B — 60 Hz, C — 50 Hz
Approvals: UL, CSA
Temp Rating: -20° F to +150° F; 115° F max for R8225
Connectors: CHS — Combination Head Screw; L — Leadwires; Q — Quick Connect; T — Terminals

SPST: Single Pole Single Throw
DPST: Double Pole Single Throw
DPDT: Double Pole Double Throw
SPDT: Single Pole Double Throw

TRANSFORMERS

Resideo offers NEMA — standard DC20-1992 and general purpose transformers. These transformers are available with single or multiple input voltages and with foot, conduit and plate mounting options. Transformers with circuit breakers that can be manually reset by pressing a button are also available. Resideo also designs transformers for specific environmental requirements and with specialized termination options.
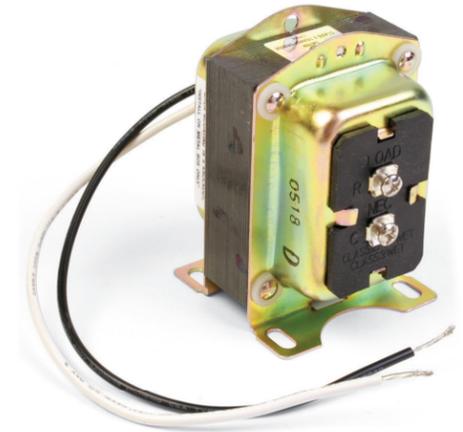
Universal Transformers

Electrical Ratings (VA)	Electrical Ratings (Input Voltage)	Product Number	NEMA Rated	Mounting	Main Con-nections	Secondary Connections	Frequency	Dimensions (in.) H x W x D	Notes
40 VA	208/240 Vac	AT72D1733	Yes	M	L	S	A	3 7/32 x 2 7/32 x 3 1/16	Only in Canada
50 VA	120/208/240 Vac	AT87A1106	Yes	M	L	S	A	2 15/16 x 2 7/32 x 2 1/4	Built-in protection; Primary winding burnout
20 VA	120/208/240 Vac	AT120A1004	No	M	L	S	B	2 7/8 x 1 7/8 x 2 15/16	Metal end bells
40 VA	120/208/240 Vac	AT140A1018	No	M		S	B	3 3/16 x 2 3/8 x 3 1/8	Metal end bells
75 VA	120/208/240 Vac	AT175A1008	No	M	L	S	B	3 3/16 x 2 3/8 x 3 5/8	Metal end bells

Transformers

19 VA	120 Vac	AT20A1123	Yes	F	L	L	A	2 x 2 1/4 x 1 7/8	
40 VA	120 Vac	AT72D1006	Yes	P	L	S	A	3 7/32 x 2 7/32 x (1 1/16 into x 2 in. above plate)	
40 VA	120 Vac	AT72D1089	Yes	F	L	S	A	3 7/32 x 2 7/32 x 3 1/16	
40 VA	120 Vac	AT72D1188	Yes	P	L	L	A	3 7/32 x 2 7/32 x 2 15/16	
40 VA	120 Vac	AT72D1683	Yes	M	L	S	A	3 7/32 x 2 7/32 x 3 1/16	
40 VA	120 Vac	AT72D1956	Yes	M	L	L	A	3 7/32 x 2 7/32 x 3 1/16	Only in Canada
40 VA	208/240 Vac	AT72D1691	Yes	M	L	S	A	3 7/32 x 2 7/32 x 3 1/16	
48 VA	277 Vac	AT87A1189	Yes	F	L	L	A	2 15/16 x 2 7/32 x 2 1/4	Energy limiting overload protection
48 VA	480 Vac	AT87A1155	Yes	F	L	L	A	2 15/16 x 2 7/32 x 2 1/4	
20 VA	120 Vac	AT120B1028	No	F	L	L	B	1 11/16 x 3 3/16 x 1 3/4	Metal end bells
40 VA	120 Vac	AT140A1000	No	M	L	S	B	3 3/16 x 2 3/8 x 3 1/8	Metal end bells
40 VA	120 Vac	AT140B1206	No	F	L	L	B	1 11/16 x 3 1/2 x 1 3/4	Plastic end caps
40 VA	120/208/240 Vac	AT140B1214	No	F	L	L	B	1 11/16 x 3 1/2 x 1 3/4	
50 VA	120/208/240 Vac	AT150A1007	No	M	L	S	B	1 11/16 x 3 3/16 x 1 3/4	Metal end bells
50 VA	120/208/240 Vac	AT150F1022	No	M	L	L	B	3 3/16 x 2 3/16 x 3 5/8	Button for resetting circuit breaker & metal end bells
50 VA	208/277/480 Vac	AT150F1030	No	M	L	L	B	3 3/16 x 2 3/16 x 3 5/8	
50 VA	277 Vac	AT150B1252	No	F	L, Q	L, Q	A	1 11/16 x 3 1/2 x 1 3/4	Plastic end caps
75 VA	120/208/240 Vac	AT175F1023	No	M	L	L	B	3 3/16 x 2 3/16 x 3 15/16	Button for resetting circuit breaker & metal end bells
75 VA	208/277/480 Vac	AT175F1031	No	M	L	L	B	3 3/16 x 2 3/16 x 3 15/16	
75 VA	120 Vac	AT88A1005	No	F	L	L	A	2 15/16 x 2 3/16 x 3 5/16	Internally fused secondary for overload protection
75 VA	480 Vac	AT88A1047	No	F	L	L	A	2 15/16 x 2 3/16 x 3 5/16	

Frequency: A — 60 Hz/50 Hz; B — 60 Hz;
Mounting: C — Conduit ; F — Foot; P — Plate; M — Foot, Conduit, Plate (F models do not come with plate options)
Connections: L — Leadwires (9 in. to 13 in.); Q — Quick Connects; S — Screw Terminals
Approval: UL, CSA

RELAYS/CONTACTORS/TRANSFORMERS

CONTACTORS

Resideo offers definite-purpose contactors for heating, cooling and refrigeration applications.

- Replace most competitive models
- Compact size for easier installation
- Meet ARI 780 and UL/CSA/CUR standards.
- Box lugs for easier installation (Deluxe PowerPRO)
- Sealed coils extends life (Deluxe PowerPRO)
- Baked finish for added durability

Economy Contactors

							CROSS REFERENCE INFORMATION			
Poles	Contact Ratings AFL @ 240, 277, 480, 600 (Vac)	Input Voltage/Coil Voltage	Product Number	Dimensions (in.) H x W x D	Main Connections	Coil Connections	Contact Ratings (Resistive @ 240, 277, 480, 600 Vac)	Resideo	Cutler Hammer	Furnas	Mars
1 with shunt	30	24 Vac	DP1030A1001	2 7/32 x 2 1/2 x 3 5/16	Screw Terminal	Q	48 A	DP1030A1000	C25CNB130T	45EG10AJA	91320, 17311
2	30	24 Vac	DP2030A1004	3 1/4 x 3 5/8 x 3 7/8	Screw Terminal	Q	48 A	DP2030A1003	C25BNB230T	45EG2OAJ	61354, 17321
2	30	120 Vac	DP2030B1003	2 7/32 x 3 5/16 x 2 5/32	Screw Terminal	Q	40 A	DP2030B1002	C25BNB230A	45EG2OAF	61346, 17322
2	30	208/240 Vac	DP2030C1002	2 7/32 x 2 1/2 x 3 5/16	Screw Terminal	Q	40 A	DP2030C1001	C25BNB230B	45EG2OAG	61347, 17323
2	40	24 Vac	DP2040A1003	2 3/8 x 3 5/16 x 2	Screw Terminal	Q	50 A	DP2040A1002	C25BNB240T	45GG2OAJ	61355, 17421
2	40	120 Vac	DP2040B1002	2 3/8 x 3 5/16 x 2	Screw Terminal	Q	50 A	DP2040B1001	C25BNB240A	45GG20AF	61356, 17422
2	40	208/240 Vac	DP2040C1001	2 3/8 x 3 5/16 x 2	Screw Terminal	Q	50 A	DP2040C1000	C25BNB240B	45GG20AG	61357, 17423

PowerPro Contactors – ARI 780/790 Rated

|							CROSS REFERENCE INFORMATION			
Poles	Contact Ratings AFL @ 240, 277, 480, 600 (Vac)	Input Voltage/Coil Voltage	Product Number	Dimensions (in.) H x W x D	Main Connections	Coil Connections	Contact Ratings (Resistive @ 240, 277, 480, 600 Vac)	Resideo	Cutler Hammer	Furnas	Mars
1 with shunt	25	24 Vac	DP1025A5006	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	30 A	DP1025A5005	Not Available	45DG10AJA	61315
1	30	24 Vac	DP1030A5014	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	48 A	DP1030A5013	Not Available	45EG10AJA	13101, 61320, 61720
1	40	24 Vac	DP1040A5005	2 23/64 x 2 1/2 x 3 5/16	Box Lug	Q	50 A	DP1040A5004	Not Available	45CG10AJA	61330
2	20	24 Vac	DP2020A5022	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	30 A	DP2020A5021	Not Available	45CG20AJ	61310
2	20	120 Vac	DP2020B5039	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	30 A	DP2020B5038	Not Available	45CG20AF	61336, 14122
2	30	24 Vac	DP2030A5013	3 1/4 x 2 5/8 x 3 3/4	Box Lug	Q	48 A	DP2030A5012			60510
2	30	120 Vac	DP2030B5004	2 7/32 x 3 5/16 x 2 5/32	Box Lug	Q	48 A	DP2030B5003	C25DND230A	45EG2OAF	61346, 13105,
2	30	208/240 Vac	DP2030C5003	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	48 A	DP2030C5002	C25DND230B	45EG2OAG	61347, 13106, 60512, 60032
2	30	208/240 Vac	DP2030C5011	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	48 A	DP2030C5010	Not Available	Not Available	60512 91323
2	30	277 Vac	DP2030D5002	2 7/32 x 2 1/2 x 3 5/16	Box Lug	Q	48 A	DP2030D5001	Not Available	Not Available	60153
3	40	24 Vac	DP2040A5004	2 23/64 x 3 3/16 x 1 15/16	Box Lug	Q	50 A	DP2040A5003	C25DNF240T	45GG20AJ	13107, 91421, 61355, 61755, 60525
3	40	120 Vac	DP2040B5003	2 23/64 x 3 3/16 x 1 15/16	Box Lug	Q	50 A	DP2040B5002	C25DNF240A	45GG20AF	13108, 91422, 61356, 61756
3	40	208/240 Vac	DP2040C5002	2 23/64 x 3 3/16 x 1 15/16	Box Lug	Q	50 A	DP2040C5001	C25DNF240B	45GG20AG	13109, 91423, 61357, 61757, 60527, 14423
3	30	24 Vac	DP3030A5004	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	40 A	DP3030A5003	C25DND330T	42BF35AJ	61430, 13113, 60515, 13007, 91331
3	30	120 Vac	DP3030B5003	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	40 A	DP3030B5002	C25DND330A	42BF35AF	61431, 13114, 91332
3	30	208/240 Vac	DP3030C5002	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	40 A	DP3030C5001	C25DND330B	42BF35AG	61432, 13115, 91333, 60517, 13009
3	40	24 Vac	DP3040A5003	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	50 A	DP3040A5002	C25DNF340T	42CF35AJ	60530, 61445, 13013, 91431
3	40	120 Vac	DP3040B5002	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	50 A	DP3040B5001	C25DNF340A	42CF35AF	61446
3	40	208/240 Vac	DP3040C5001	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	50 A	DP3040C5000	C25DNF340B	42CF35AG	60532, 60182, 61447, 13015, 91433
3	50	24 Vac	DP3050A5002	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	63 A	DP3050A5001	C25DNJ350T	42DF35AJ	61460, 13619, 91531
3	50	120 Vac	DP3050B5001	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	63 A	DP3050B5000	C25DNJ350A	42DF35AF	61461
3	50	208/240 Vac	DP3050C5010	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	63 A	DP3050C5009	C25DNJ350B	42DF35AG	60217, 60202, 61462, 13621, 91533
3	60	24 Vac	DP3060A5001	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	75 A	DP3060A5000	C25FNF360T	42EF35AJ	61470 13625 91631
3	60	120 Vac	DP3060B5010	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	75 A	DP3060B5009	C25FNF360A	42EF35AF	61471
3	60	208/240 Vac	DP3060C5009	3 7/64 x 3 5/8 x 2 13/32	Box Lug	Q, S	75 A	DP3060C5008	C25FNF360B	42EF35AG	60227, 60207, 61472, 13627, 91633
3		120 Vac	DP3075B5016	4 7/16 x 5 x 3 3/4	Box Lug	Q, S	95 A	DP3075B5015	C25FNF375A	42FE35AF	60237, 61476
3		208/240 Vac	DP3075C5015	4 7/16 x 5 x 3 3/4	Box Lug	Q, S	95 A	DP3075C5014	C25FNF375B	42FE35AG	60245, 61477, 13242, 91733
3	90	120 Vac	DP3090B5007	4 7/16 x 5 x 3 3/4	Box Lug	Q, S	120 A	DP3090B5006	C25GNF390A	42GE35AF	61491
4	40	24 Vac	DP4040A5002	2 5/8 x 3 3/4 x 3 7/64	Box Lug	Q, S	50 A	DP4040A5001	C25ENF440T	42CF25AJ	61450, 13016
4	40	120 Vac	DP4040B5001	2 5/8 x 3 3/4 x 3 7/64	Box Lug	Q, S	50 A	DP4040B5000	C25ENF440A	42CF25AF	61451
4	40	208/240 Vac	DP4040C5010	2 5/8 x 3 3/4 x 3 7/64	Box Lug	Q, S	50 A	DP4040C5009	C25ENF440B	42CF25AG	61452

Connectors: BHS — Binding Head Screw; Q — Quick Connect; SS — Sems Screw; CHS — #10-32 Combination Head Screw; S — #6 Screw; TCS — Terminal Clamp Screw; LC — Lug Connector
Temp Rating: - ° F to 1 ° F
Approvals: UL, CSA
ARI - 780: 500,000 cycle mechanical life; 200,000 cycle electrical life; 10,000 cycle recycle life

For a complete cross reference, please visit **customer.resideo.com**

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RELAYS/CONTACTORS/TRANSFORMERS

FAN CENTERS

For fan centers (relay and transformer combination), R8285 and R8239 NEMA rated units offer low-voltage control of line-voltage fan motors and auxiliary circuits in heating, cooling or air-conditioning systems.
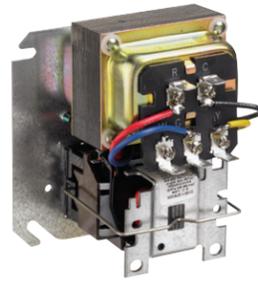
Fan Center

Electrical Ratings (VA)	Electrical Ratings (Input Voltage)	Switching	Product Number	NEMA Rated	Dimensions (in.) H x W x D	Main Connections	Secondary Connections	Frequency
40 VA	120 Vac	DPDT	R8239B1043	Yes	4 1/2 x 4 3/16 x 3 3/32	L	L	A
40 VA	120 Vac	DPST	R8239D1007		4 1/2 x 4 3/16 x 3 3/32	L	L	A
40 VA	120 Vac	SPDT	R8239A1052		4 1/2 x 4 3/16 x 3 3/32	L	L	A
50 VA	120/208/240 Vac	DPDT	R8239B1076		4 1/2 x 4 3/16 x 3 3/32	L	L	A
40 VA	120 Vac	SPDT	R8285A1048	No	4 3/16 x 4 1/2 x 2 13/16	L	L	A
40 VA	120/208/240 Vac	DPDT	R8285B1053		4 3/16 x 4 1/2 x 2 13/16	L	L	A
50 VA	120 Vac	DPST	R8285D5001		4 3/16 x 4 1/2 x 2 13/16	L	L	A

Frequency: A — 60 Hz/50 Hz; B — 60 Hz
Approvals: UL, CSA
Temp Rating: -20° F to +105° F
Connectors: L — Leadwires
Mounting: Standard 4 x 4 in. junction box

SPST: Single Pole Single Throw
DPST: Double Pole Single Throw
DPDT: Double Pole Double Throw
SPDT: Single Pole Double Throw

AUXILIARY SWITCHES

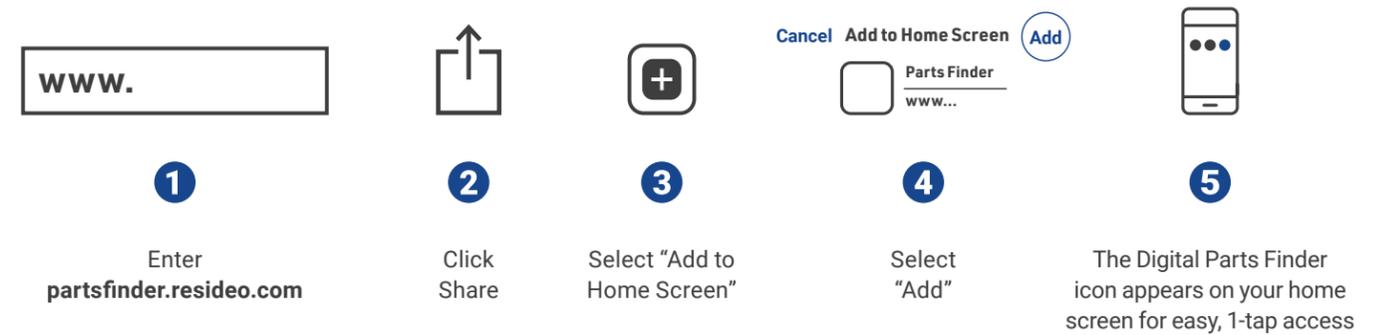Resideo Auxiliary Switches work Resideo models of 3-pole contactors.

Auxiliary Switches

Product Number	Circuits	Configuration	Dimensions (in.) H x W x D	Contact Ratings (Resistive)	Maximum (inrush) Current at 120/240/480/600 V	Use With
DP3AUX-1NO	1	Normally Open snap-on	2 26/32 x 2 17/32 x 7/16	10 A	60/30/15/12 Amps	DP3030 – DP3090 Contactors
DP3AUX-1NC	1	Normally Closed snap-on	2 26/32 x 2 17/32 x 7/16	10 A	60/30/15/12 Amps	DP3030 – DP3090 Contactors
DP3AUX-1NO-1NC	2	Normally Closed/ Normally Open snap-on	2 26/32 x 2 17/32 x 7/16	10 A	60/30/15/12 Amps	DP3030 – DP3090 Contactors
DP3AUX-2NO	2	Normally Open snap-on	2 26/32 x 2 17/32 x 7/16	10 A	60/30/15/12 Amps	DP3030 – DP3090 Contactors
DP3AUX-2NC	2	Normally Closed snap-on	2 26/32 x 2 17/32 x 7/16	10 A	60/30/15/12 Amps	DP3030 – DP3090 Contactors

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