




## Residential Combustion Oil Controls Quick Reference Guide

2010-2011

### R7284U Universal Electronic Oil Primary

Selection Guide	Ignition Type	Universal Service Part	R7184U Service Part	R7284 Direct Service Part	Specifications (Direct and Universal Parts to Left)						Cross-Reference			
					Lockout Time (sec.)	Valve On Delay (sec.)	Blower Off Delay (min.)	Alarm Contacts*	Manual Trip Lever w/ LED Indicator	Honeywell	Beckett	Carlin	White-Rodgers	
	Interrupted	R7284U1004	R7184U1004	R7284B1024	15	0/15	0/2/4/6	Yes	Yes	R7184U1004, R7184P1031, R7184P1049, R7184P1056, R7184P1064, R7184P1072	7505P125M	50200-02S, 602000-02S, 6020002S015120, 6020002S030015, 6020002S030015, 6020002S030030, 6020002S030120, 6020002S030300, 6020002S030010		
					15			Yes	Yes	R7184A1026, R7184A1075, R7184A1000	7505A0000	40200-02S	669-640, 669-670	
					15	15		Yes	Yes	R7184B1024, R7184B1032, R7184B1016	7505B1500			
					15	15	0.25	Yes	Yes	R7184P1080, R7184P1098	7505P1515			
					30	0/15	0/2/4/6	Yes	No	R7184U1012				
					30				No	R7184A1018, R7184A1034		42230-02S		669-440, 669-445, 669-470, 669-540
					45	0/15	0/2/4/6	Yes	No	R7184U1020				
					45					R7184A1042				
					15				Yes	R8184G1294, R8184G1302, R8184G4066, R8184G4074, R8184G4090, R8184G4033, R8184G4058, R8184G1427, R8184G4058	7505A0000			668-601, 668-670
					30					R8184G1393, R8184G1302, R8184G4074, R8184G4033				668-501
45				Yes	R8184G1286, R8184G1427, R8184G1488, R8184G4009, R184G4025, R8184G4082, R8184G4108			48245-S	668-401, 668-0415, 668-430, 668-515					
45		R8184M1051					Yes				668-430	668-441, 668-451, 668-454		

\* R7284 models require an alarm contact accessory module

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# L7224U Universal Electronic Aquastat™

Selection Guide									
Product Number	Fuel		Low Limit		High Limit		Features and Functions		
	Gas	Oil	Operating Range, Low Limit	Differential Temperature, Low Limit	Operating Range, High Limit	Differential Temperature, High Limit	Switching Action	Anticipator Setting	Mounting
L7224U1002	•	•	110° to 220° F	10° to 25° F adj.	130° to 240° F	5° to 20° F adj.	3 SPST- High and Low Limit, Circulator	0.1 A	V/H/F
Replacement Sensor									
Part Number			Length (in.)						
50001464-001			12						
50001464-004			36						
50001464-005			48						
Cross-Reference Guide									
OS Number	Replaces	Mounting Orientation	High Limit	High Limit Difference	Low Limit	Low Limit Difference			
L7224U1002	L7124A1017, L7124A1025, L7224A1008, L7224A1016, L8124A1007, L8124A1015, L8124A1049, L8124A1098, L8124A1106, L8124A1114, L8124A1122, L8124A1130, L8124A1155	Well Mounted – Vertical	130° to 240° F	10° F	110° to 220° F	10° to 25° F			
	L7124C1005, L7224C1004, L8124C1003, L8124C1011, L8124C1029, L8124C1094, L8124C1102	Well Mounted – Horizontal	130° to 240° F	10° F	110° to 220° F	10° to 25° F			
	L7148A1019, L7248C1014, L8148A1009, L8148A1025, L8148A1033, L8148A1058, L8148A1066, L8148A1074, L8148A1082, L8148A1090, L8148A1116, L8148A1157	Well Mounted – Horizontal	180° to 220° F	15° F					
	L7148A1035, L7248C1006, L8148A1017, L8148A1065, L8148A1124, L8148A1140	Well Mounted – Horizontal	140° to 240° F	15° F					
	L7148A1050, L7248A1000, L8148A1157	Well Mounted – Vertical	180° to 220° F	15° F					
	L7248C1022	Flush Mounted – Vertical	140° to 240° F	15° F					



## Honeywell AquaReset™

Product Selection		Product Name	Part Number	Includes	Typical Applications
Honeywell AquaReset System		L7224R1000	L7224R1000	L7224U Aquastat, Honeywell AquaReset Module and Wired Sensor	Install as a replacement when an existing boiler needs a new control. <sup>2</sup>
Honeywell AquaReset Kit		W8735S1000	W8735S1000	Honeywell AquaReset Module and Wired Sensor	Upsell as an add-on when installing a new boiler that comes from the OEM with an enabled L7224U or L7248 Aquastat. <sup>2</sup>
Honeywell Domestic Hot Water Kit		W8735S1008	W8735S1008	DHW Module and Wired Pipe Temperature Sensor	Required to enable domestic hot water override on some applications. <sup>3</sup>



Selection Guide		Low Limit		High Limit		Features and Functions	
Product Number	Fuel	Operating Range, Low Limit	Differential Temperature, Low Limit	Operating Range, High Limit	Differential Temperature, High Limit	Switching Action	Mounting
		L7224R1000	•	110° to 220° F	10° to 25° F adj.	130° to 240° F	5° to 20° F adj.

Cross-Reference Guide		Replaces		Mounting Orientation		High Limit Difference		Low Limit Difference	
OS Number	Product Number	Operating Range, Low Limit	Differential Temperature, Low Limit	Mounting Orientation	High Limit	High Limit Difference	Low Limit	Low Limit Difference	
		L7224R1000	L7124A1017, L7124A1025, L7224A1008, L7224A1016, L8124A1007, L8124A1015, L8124A1049, L8124A1098, L8124A1106, L8124A1114, L8124A1122, L8124A1130, L8124A1155	Well Mounted – Vertical	130° to 240° F	Well Mounted – Vertical	130° to 240° F	10° F	110° to 220° F
L7124C1005, L7224C1004, L8124C1003, L8124C1011, L8124C1029, L8124C1094, L8124C1102	Well Mounted – Horizontal		130° to 240° F	Well Mounted – Horizontal	130° to 240° F	10° F	110° to 220° F	10° to 25° F	
L7148A1019, L7248C1014, L8148A1009, L8148A1025, L8148A1033, L8148A1058, L8148A1066, L8148A1074, L8148A1082, L8148A1090, L8148A1116, L8148A1157	Well Mounted – Horizontal		180° to 220° F	15° F					
L7148A1035, L7248C1006, L8148A1017, L8148A1065, L8148A1124, L8148A1140	Well Mounted – Horizontal		140° to 240° F	15° F					
L7148A1050, L7248A1000, L8148A1157	Well Mounted – Vertical		180° to 220° F	15° F					
	L7248C1022	Flush Mounted – Vertical	140° to 240° F	15° F					

<sup>1</sup>Honeywell, Inc. 1979 Study, Control Systems Providing Energy Savings with single and multi-zone Hydronic Heating. 15% is the average energy savings and can only be achieved when installing an outdoor reset model. Domestic hot water priority is on and the unit is installed as directed.

<sup>2</sup>Indirect domestic hot water tank applications may require additional kit W8735S1008.

<sup>3</sup>Required for use when domestic hot water override is needed and a Z terminal is not present on the Aquastat. See technical literature 67-7286 for complete application details.

## Cad Cell

Selection Guide									
Product Number	CAD Cells (1)	Lead Length (in.)	Wire Termination	Mounting Bracket	Includes	Tradeline Value	Replaces	White-Rodgers	Westwood
C554A1315	120320	30	Stripped	Type B		Tradeline			
C554A1463	130387	60	2 Flag 1/4" GC	Type R	A, B, E, J and P Mounting Brackets and Fuel Line Adaptor	Super Tradeline	C554A1307, C554A1315, C554A1398, C554A1133, C554A1174, C554A1372, C554C1570, C554A1216, C554A1927, C554A1794	956-154	TMK-60
C554A1794	130367	60	Stripped	Type R	E Mounting Bracket and Fuel Line Adaptor	Tradeline	C554A1307, C554A1927	956-154	TMK-60



Notes:  
<sup>1</sup>120320 replacement CAD cell 7.5 MA minimum sensitivity at 2° candles.  
<sup>2</sup>130387 high-sensitivity CAD cell 12 MA minimum sensitivity at 2° candles.  
<sup>3</sup>46 inch lead wire