



L7224U Electronic Aquastat® Selection Guide

Product Number	FUEL		LOW LIMIT		HIGH LIMIT		Switching Action	Anticipator Setting	Mounting
	Gas	Oil	Operating Range, Low Limit (°F)	Differential Temperature, Low Limit (°F)	Operating Range, High Limit (°F)	Differential Temperature, High Limit (°F)			
L7224U1002		•	110 – 220	10 – 25 adj.	130 – 240	5 – 20 adj.	3 SPST: High and Low Limit, Circulator	0.1A	V/H/F



L7224U Replacement Sensors

PART NUMBER	LENGTH (IN.)
50001464-001	12
50001464-004	36
50001464-005	48

L7224U Electronic Aquastat® Cross-Reference Guide

OS NUMBER	REPLACES	MOUNTING ORIENTATION	HIGH LIMIT (°F)	HIGH LIMIT DIFF. (°F)	LOW LIMIT (°F)	LOW LIMIT DIFF. (°F)
L7224U1002	L7124A1017, L7124A1025, L7224A1008, L7224A1016, L8124A1007, L8124A1015, L8124A1049, L8124A1098, L8124A1106, L8124A1114, L8124A1122, L8124A1130, L8124A1155	Well mounted – Vertical	130 – 240	10	110 – 220	10 – 25
L7224U1002	L7124C1005, L7224C1004, L8124C1003, L8124C1011, L8124C1029, L8124C1094, L8124C1102	Well mounted – Horizontal	130 – 240	10	110 – 220	10 – 25
L7224U1002	L7148A1019, L7248C1014, L8148A1009, L8148A1025, L8148A1033, L8148A1058, L8148A1066, L8148A1074, L8148A1082, L8148A1090, L8148A1116, L8148A1157	Well mounted – Horizontal	180 – 240	15	–	–
L7224U1002	L7148A1035, L7248C1006, L8148A1017, L8148A1065, L8148A1124, L8148A1140	Well mounted – Horizontal	140 – 240	15	–	–
L7224U1002	L7148A1050, L7248A1000, L8148A1157	Well mounted – Vertical	180 – 220	15	–	–
L7224U1002	L7248C1022	Rush Mount Vertical	140 – 240	15	–	–

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IGNITION TYPE	UNIVERSAL SERVICE PART	DIRECT SERVICE PART REPLACEMENT	LOCKOUT TIME (SEC.)	VALVE ON DELAY (SEC.)	BLOWER OFF DELAY (MIN.)	ALARM CONTACTS	MANUAL TRIP LEVER W/ LED INDICATOR	HONEYWELL PRODUCT	CARLIN PRODUCT	WHITE-RODGERS PRODUCT
Interrupted	R7184U1004	R7184U1004	15	0/15	0/2/4/6	Yes	Yes	R7184P1031, R7184P1049, R7184P1056, R7184P1064, R7184P1072	50200-02S, 602000-2S, 6020002S015120, 6020002S030015, 6020002S030015, 6020002S030030, 6020002S030120, 6020002S030300, 6020002S030010	669-640,669-670
		R7184A1026		15	0.25	Yes		R7184A1075, R7184A1000	40200-02S	
		R7184B1024		15				R7184B1032, R7184B1016		
	R7184P1098	15	0/15	0/2/4/6	Yes	No	R7184P1080	42230-02S		
	R7184U1012	R7184U1012	30	0/15	0/2/4/6	Yes	No		R7184A1018	669-440,669-445, 669-470,669-540
Intermittent	R7184U1020	R7184A1034	45	0/15	0/2/4/6	Yes	No			
		R7184U1020								
	R7184A1042	45	0/15	0/2/4/6	Yes	No				
Intermittent	R7184U1004	R8184G4066	15				Yes	R8184G1294, R8184G4045, R8184G4090		668-601, 668-670
	R7184U1012	R8184G4074	30				Yes	R8184G1393, R8184G1302, R8184G4074, R8184G4033		668-501
	R7184U1020	R8184G4009	45			Winter 2006	Yes	R8184G1286, R8184G1427, R8184G4025, R8184G4082, R8184G1458	48245-S	668-401, 668-415, 668-430, 668-515



CAD Cell Selection Guide

PRODUCT NUMBER	CAD CELLS (1)	LEAD LENGTH (IN.)	WIRE TERMINATION	MOUNTING BRACKET	INCLUDES	TRADELINE VALUE	REPLACES
C554A1315	120320	30	Stripped	Type B		Tradeline	
C554A1463	130367	60	2 flag 1/4 in. QC	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
C554A1794	130367	60	Stripped	Type R	Type "E" mounting bracket and fuel line adaptor	Tradeline	C554A1307, C554A1927

Notes:
120320 Replacement Cad Cell. 7.5 mA minimum sensitivity at 2 ft. candles.
130367 High Sensitivity CAD Cell 12 MA minimum sensitivity at 2 ft. candles.

Single-Function Aquastat® Selection/Cross-Reference Guide

SIZE		FEATURES AND FUNCTIONS								NOTES	CROSS-REFERENCE	
Product Number	Switch Configuration	Capillary Length (in.)	Insulation Depth (in.)	Spud Size – 14 NPT (in.)	Manual Reset	Operating Temperature Range (°F)	Factory Stop (°F)	Differential Temperature (°F)	Electrical Ratings (3)	Mounting (2)	Notes	OEM Product Number
L4006A1009	SPST – N.C. (Break on Rise)		1.5	1/2		100 – 240		5 Fixed	A	H/V		
L4006A1017			1.5	1/2		100 – 240		5 – 30	A	H/V		L4080B, L4080D Families, L4006A1058, L4006A1827, L4006A2015
L4006A1132			3	3/4		100 – 240	160	5 Fixed	A	H/V		L4006A2023
L4006A1678			3			100 – 240		5 – 30	A	H/V		
L4006A1959			3			40 – 180		5 Fixed	B	H/V		
L4006A1967			1.5	1/2		100 – 240		5 – 30	A	H/V		
L4006A2007			3			100 – 240		5 – 30	A	H/V		
L4006A2148			3			100 – 200		5 – 30	A	H/V		
L4006E1067			3			130 – 270			A	H/V		L4006E1091, L4006E1109, L4006E1117, L4006E1125, L4006E1133
L4006H1004			1.5			100 – 240	240		D	H/V	Bracket for strap-on mounting and heat-conductive compound.	
L4008E1156		66			Yes	130 – 270			A	H/V		L4008E1040, L4008E1248, L4008E1321
L4008E1305		66			Yes	100 – 240			A	H/V		L4008E1271, L4008E1313
L4008E1313		66			Yes	100 – 240			A	H/V		
L4008E1347		66			Yes	40 – 180			A	H/V		
L4006B1007	SPST – N.O. (Make on Rise)		1.5	1/2		100 – 240		5 Fixed	A	H/V		
L4006B1155			3			100 – 240		5 – 30	A	H/V		L4006B1189
L4006B1163			3			100 – 240		5 – 30	A	H/V		
L6006A1004	SPDT			1/2		100 – 240		5	A	H/V		
L6006A1012			1.5	1/2		100 – 240		5 – 30	A	H/V		L6006A1160, L6006A1269, L6006A1301, L6006A1327, L6006A1335
L6006A1145			3			100 – 240	240	5 – 30	A	H		
L6006A1244			3			100 – 240		5 – 30	A	H/V		
L6006C1018						65 – 200		5 – 30	A	H/V/SMT		L6006C1034, L6006C1059
L6008A1093			66				-30 – 70		5 – 30	A	H/V	
L6008A1192		66				100 – 240	240	5 – 30	A	H/V		
L6008A1242		66				100 – 200		5 – 30	A	H/V		

Thermowells Selection Guide

PART NUMBER	SPUD LENGTH (IN.)	INSERTION DEPTH (IN.)
123869A	1/2	1 – 1/2
123872A	1/2	3
123870A	3/4	1 – 1/2
138871B	3/4	1 – 1/2
138134E	3/4	2 – 1/4
123871A	3/4	3

Single Function Electronic Aquastat® Replacement Sensors

PART NUMBER	LENGTH (IN.)
0001464-001/B	12
0001464-004/B	36
0001464-005/B	48

(2) Mounting

H/V	Horizontal or Vertical Mounting
H	Horizontal Mounting
SMT	Mount using 1/4 in. NPT female threads or surface mount through base of case

(3) Electrical Ratings

A	Millivolt: 0.25 A @ 0.25 to 12 Vdc; AFL: 8A @ 120 Vac 5.1A @ 240 Vac ALR: 48A @ 120 Vac 30.6A @ 240 Vac
D	Millivolt: 0.25 A @ 0.25 to 12 Vdc; AFL: 1.3A @ 240 Vac 8A @ 120 Vac; ALR: 48A @ 120 Vac 30.6A @ 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

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