



278X90

## Hydronic Controls

For use in gas- or oil-fired hydronic heating systems that require a 24VAC thermostat. Select models are compatible with 750mV thermostats.

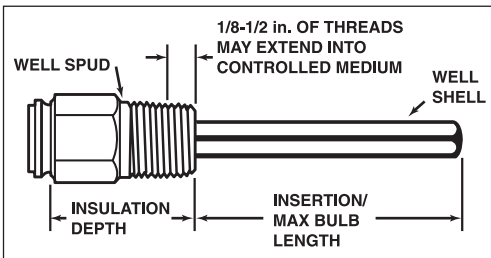
**High or Low Limit/SPST**—Break the circuit on temp. rise. When used as a controller or a low limit, a separate high limit must be used.

**Honeywell**  
**Honeywell**  
**Home**

Type	Temp. Range	Differential	Mounting	System Switching	Brand	Mfr. Model	Item No.
<b>Immersion Controllers</b>							
Boiler-Mounted, High Limit, Manual Reset	100° to 200°F	Manual Reset	Horizontal or Vertical	SPST	Honeywell Home	L4006E1125	2GZN4 *
	100° to 240°F		Horizontal or Vertical	SPST	Honeywell Home	L4006E1117	2GZN3
	130° to 270°F		Horizontal or Vertical	SPST	Honeywell	L4006E1067	278X88 *
			Horizontal or Vertical	SPST	Honeywell Home	L4006E1091	2GZN1 *
Boiler-Mounted, High or Low Limit	40° to 180°F	5°F Fixed	Horizontal or Vertical	SPST	Honeywell Home	L4006A1959	2GZL3 #
			Horizontal or Vertical	SPST	Honeywell	L4006A1009	278X90 * #
	5° to 30°F Adj.	Horizontal or Vertical	SPST	Honeywell Home	L4006A1132	278X95 * #	
		Horizontal or Vertical	SPST	Honeywell	L4006A1017	2GZK9 *	
	5°F Fixed	Horizontal or Vertical	SPST	Honeywell	L4006A1967	278X93 * #	
		Horizontal or Vertical	SPST	Honeywell	L4006A1678	278X98 * #	
	100° to 240°F	5°F Fixed	Horizontal or Vertical	SPST	Honeywell	L4006B1007	278X94 * #
			Horizontal or Vertical	SPST	Honeywell Home	L4006B1155	2GZL7 * #
Immersion Well Mounting (Not Included), High Limit, Low Limit or Circulator Control	100° to 240°F	5° to 30°F Adj.	Horizontal or Vertical	SPST	Honeywell	L4006B1163	278Y07 * #
Horizontal			SPDT	Honeywell Home	L6006A1145	2E821 *	
Strap-On or Well Mount, High Limit, Manual Reset		Manual Reset	Horizontal or Vertical	SPST	Honeywell	L4006H1004	278X99 *
<b>Immersion Controller, Universal Electronic</b>							
Aquastat(R) Relay, Universally Compatible, EnviraCOM-Enabled	130° to 240°F	5° to 20°F	Vertical	—	Honeywell Home	L7224U1002	1RZY3
<b>Immersion Controller, Multizone</b>							
High Limit and Relay Control of Burner and Circulation Control	High Limit 120° to 240°F	8°F Fixed	Horizontal or Vertical	SPST	Honeywell Home	L8148J1009	2E861
Triple Aquastat Relay with High Limit	High Limit 130° to 240°F, Low Limit 110° to 220°F	High Limit 10°F Fixed, Low Limit 10° to 25°F Adj.	Vertical	SPST	Honeywell Home	L8124E1016	2GZJ7
			Vertical	SPST	Honeywell Home	L8124G1020	2GZJ8
			Horizontal	SPST	Honeywell Home	L8124L1011	2GZJ9
			Horizontal	SPST	Honeywell	L8124C1003	278X97
<b>Aquastat Controller</b>							
Remote bulb Temperature Control	100° to 240°F	5° to 30°F Adj.	Horizontal or Vertical	SPST	Honeywell Home	L4008A1015	5TB81 †
<b>Dual Aquastat Controllers</b>							
		10°F Fixed	Horizontal	SPST	Honeywell	L4081B1096	278X96 *
High Limit and Circulator	High Limit 130° to 240°F, Low Limit 110° to 220°F	High Limit 10°F Fixed, Low Limit 10° to 25°F Adj.	Horizontal	SPST	Honeywell Home	L4081B1047	2GZK6 *

\* 750 mV compatible. † Requires immersion well or bulb compression fitting for new installations. # When used as a controller or a low limit, a separate high limit must be used.

2E821



## HVAC Thermowells

Accessory for hot water immersion controls.

**Honeywell** **Johnson**  
**Home** **Controls**

NPT	Bulb Dia.	Max. Insertion/Bulb Length	Insulation Depth	Material	Brand	Mfr. Model	Item No.
3/4 in	3/8 in	3 in	1 1/2 in	Copper	Honeywell Home	121371B	3XK90
1/2 in	3/8 in	3 in	3 in	Copper	Honeywell Home	121371L	3XK91
3/4 in	3/8 in	3 in	3 in	Copper	Honeywell Home	121371M	3XK92
1/2 in	3/8 in	2 3/8 in	2 3/8 in	Brass Fitting, Copper Tube	Johnson Controls	TE-6300W-101	36P618
1/2 in	1/2 in	2 3/8 in	2 3/8 in	Stainless Steel	Johnson Controls	TE-6300W-102	36P619
1/2 in	1 9/16 in	2 3/8 in	2 3/8 in	Brass Fitting, Copper Tube	Johnson Controls	WEL11A-601R	38Y209
1/2 in	1/8 in	6 3/4 in	4 1/8 in	Brass Fitting, Copper Tube	Johnson Controls	WEL14A-602R	38Y210
1/2 in	1/8 in	7 3/8 in	5 1/8 in	Brass Fitting, Copper Tube	Johnson Controls	WEL14A-603R	38Y211
1/2 in	1 9/16 in	2 3/8 in	—	Brass	Johnson Controls	WZ-1000-5	20XJ26



2E859



38Y073

**Honeywell** **White-Rodgers**  
**Home**

**Johnson** **Controls**

**Beckett**

## Boiler Controls

**Indoor Strap-On**—Provide control without tapping boiler or draining system. Mounting strap provides any-position mounting without leveling on a 2"- to 6"-dia. pipe.

**Beckett**—Features include backlit display touch pad for programming temperature limits and differentials, memory storage, and diagnostics for troubleshooting.

Description	Switch Type	Switch Action	Brand	Mfr. Model	Item No.
Indoor Strap-On, High-Limit, Low-Limit, Circulator, Temp. 65 to 200°F, Diff. 5 to 30 Adj. °F	SPDT	Open/Close on Temp. Rise	Honeywell Home	L6006C1018	2E859
Indoor Strap-On, High-Limit, Low-Limit, Circulator, Temp. 100 to 240°F, Diff. 10 °F	SPDT	Open/Close on Temp. Rise	White-Rodgers	1127-2	2E145
Indoor Strap-On, High-Limit, Low-Limit, Circulator, Temp. 100° to 240°F Diff. 7°F	SPDT	Open/Close on Rise	Johnson Controls	A19DAC-1C	38Y073
Surface Mount, Control Range 200° to 240°F, Diff. 3.5°F	SPDT	Open/Close on Rise	Johnson Controls	A19DAF-2C	20XJ41
AquaSmart™ Oil Control, DOE 2012 Compliant	—	—	Beckett	7610A0001GU	36L587
AquaSmart™ Gas Control, DOE 2012 Compliant	—	—	Beckett	7610B0001GU	36L588
Wireless Temperature Module, For Use with AquaSmart™ Oil & Gas Controls	—	—	Beckett	7600WTMGU	36L589