

The HLAC151 is compatible with any smoke alarm that uses UL 217-compliant T3 signaling.

A UL 217-compliant T3 cycle is 4 seconds long. It consists of 3 half-second beeps separated by half-second pauses, with a 1.5-second pause at the end of each three-beep group. The HLAC151 requires 7 such uninterrupted cycles to declare a fire emergency.

Continuous-tone alarms such as the Gentex 710CS/LS and 7109CS/LS are not compatible with the HL.

When first powered up, the HLAC151 requires a smoke-alarm audibility test. During this test, the HLAC151 needs to hear two complete, uninterrupted T3 cycles of the smoke alarm.

For ease of set-up, therefore, it's simplest to pair the HLAC151 with a smoke alarm that emits at least two such cycles when its TEST button is operated. Many smoke alarms do this with a single press of the TEST button, and many others do so when the TEST button is held down. However, there are a few smoke alarms that may require a special procedure or extra time at set-up.

The **US versions** of the following smoke alarms have been tested and found compatible with a Lifetone HL. If specifically listed below, models for CANADA and AUSTRALIA have been reported compatible.

Make	Model	Comments
BRK First Alert	7010B	
BRK First Alert	SC9120B	
Family Gard	FG200	
Family Gard	FG888D	
Family Gard	FG88D	
Fire Sentry	0914	
Fire Sentry / Kidde	i9040	T3 cycles sound until test button is released
Firex	CC	
Firex	FADC	
Firex	FADC, 4618	
First Alert	"Atom" P1000	T3 with sweep-tone pulses
First Alert	10Yr	
First Alert	9120B	
First Alert	SA300	
First Alert	SA302	
First Alert	SA303	
First Alert	SA304	
First Alert	SA340	
First Alert	SA4121B	
First Alert	SA67B	
First Alert	SA68	
First Alert	SA710	
First Alert	SCO1N	
First Alert	SCO5	combo w/o voice
First Alert	SCO7 new mfr only	Look for a manufacturing date later than October 22, 2010
First Response	SF200	
GE	71182	
Gentex	9123	Turn dial to TEST 1. T3s begin after 10 seconds. AC+battery.
Gentex	9235	
Kidde	0913	
Kidde	0910	T3s sound until test button is released. 10-year battery.
Kidde	0916	
Kidde	0918	
Kidde	0946	US version only; excludes 0946CA
Kidde	0976	
Kidde	1275	
Kidde	1276	

Make	Model	Comments
Kidde	i12060	
Kidde	KN-COSMXTR-B	combo w/voice. Observe battery installation sequence.
Kidde	P3010B	Test button produces two T3 cycles. 10-yr battery.
Kidde	P3010L	Voice. Test button produces two T3 cycles. 10-yr battery.
Kidde	PI9000 (now PI9010)	T3 cycles sound until test button is released.
Kidde	P3010H-CA	CANADA
Kidde	KN-COPE-ICA	CANADA
Kidde	KN-COSMXTR-BCA	CANADA
Quell	QPI9010	AUSTRALIA
MTI Industries	SA-668S	
Sentrol	ESL350	
Universal	SS-770	
Universal	SS775	
Universal	SS-901	
USI Electric	USI-5204	

The following alarms are compatible with the HL but may require more time or a special procedure at set-up:

Make	Model	Comments
BRK	SA320B	Test button produces two T3s, but there is an additional pause between cycles. Hold down the test button until the HLAC150 sounds.
Crossfire	CFS10	Test button produces only one T3. Here are the instructions from Global Health & Safety: Remove the CFS10 smoke chamber and rest the alarm, with the open chamber facing down, on a horizontal surface. CFS10 will emit T3 cycles until the smoke chamber is reinstalled.
Homefront	RF-360T	Test button produces only one T3 cycle. To get ten T3 cycles, hold down the test button and release after the green triangle flashes 3 times.
Kidde	KN-COSM-B	2nd T3 is truncated by a T4. Set-up with HL requires two operations of the test button.
Nest Protect	05A-UK	Emits only one T3 and one T4 when tested. Setup with HLAC requires canned simulated smoke.

Some vintages of the following alarms are **not compatible** with the HL:

Make	Model	Comments
First Alert	SCO500	Some vintages do not comply with current UL requirements. (A UL-compliant device produces 8 complete & sequential T3 cycles before varying the length of the cycle. After two compliant cycles, some SCO500 units manufactured before October 24, 2011 have an erratic T3 period beginning in the 3rd cycle. The pause in every third cycle is variable, dependent on the length of the voice alert, and can be >4s vs. the standard of 1.5s.) Note: Some date codes of this model were recalled for an unrelated power problem.

Make	Model	Comments
First Alert	SCO7	Some vintages do not comply with current UL requirements. (A UL-compliant device produces 8 complete & sequential T3 cycles before varying the length of the cycle. After two compliant cycles, some SCO7 units manufactured before October 22, 2010 have an erratic T3 period beginning in the 3rd cycle. The pause in every third cycle is variable, dependent on the length of the voice alert, and can be >4s vs. the standard of 1.5s.)