

Alert-it Care Systems

P154 Set-up

Installation Handbook



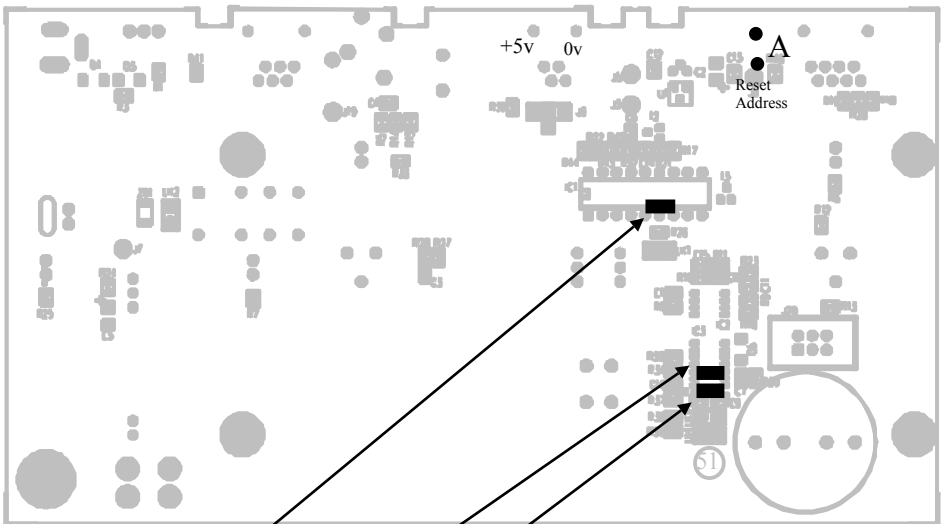
One of a range of Alert-it Care Alarms available from:

This handbook should be read as an Appendix to UH1102 P154 Handbook, which contains essential safety and operational information. This is for setting advanced features, which must be done by someone who is competent with technology and has sufficient the knowledge about the client to asses the effects of any changes.

Full servicing documentation is available for purchase from iTs Designs Ltd if required

Setting Options by Links

To access the links, remove the aerial by unscrewing to ease the operation. Invert the unit and remove the 4 screws that hold the base. Pull away the base and be careful not to dislodge the battery and screw driver. Most functions are changed by adding or removing links, as detailed below. Two features follow which use a programming sequence depending on links and the time delay switch setting



	Present	Absent
LK1	After bed vacation is detected there will be 20 second audible warning before the alarm is raised	Bed vacation alarm raised immediately after the set time delay
LK2	Factory fitted only	
LK3	Changes Sound sensor from transient to level monitoring (refer to factory) before changing)	Default for transient sound detection
LK4	Default for high sensitivity to transient sounds	Used with level monitoring (LK3 fitted) to reduce sensitivity

Do not change LK2-4 without reference to iTs Designs as the software functionality can be affected

Reset Communication Address

- Set the Time Delay switch to the desired address (1-10 with 0=10)
- Fit link LK1 (DELAY OUT)
- Temporarily connect link A (RESET ADDRESS)
- Power-up or press RESET to initiate reprogramming of the address
- There will be a 5 second confirmation period during which both alarm lights will flash together
- Removing the “ADDRESS RESET” link or turning the unit off before the lights go out will abort the programming and not affect the unit.
- When the lights no longer flash, remove link A and the unit will the revert to normal operation with the new address.
- Link LK1 may now be removed if required. (remember to press RESET to activate any change)

Reset Bed Occupancy Time and Operation

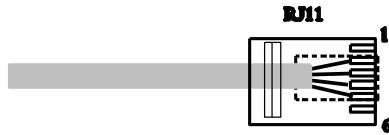
- Set the Time Delay switch to the desired time delay according to the table
- Remove link LK1 (DELAY OUT)
- Temporarily connect link A (RESET ADDRESS)
- If a Bed Occupancy mat is no longer required, then remove it. Otherwise connect the mat and operate it (eg by sitting on it).
- Power-up or press RESET to initiate reprogramming of the address
- There will be a 5 second confirmation period during which the alarm lights will flash alternatively
- Removing the “ADDRESS RESET” link or turning the unit off before the lights go out will abort the programming and not affect the unit.
- When the lights no longer flash, remove link A and the unit will the revert to normal operation with the new time delay and the Bed Mat input enabled or disabled as required
- Link LK1 may now be replaced if required. (remember to press RESET to activate any change)

	Vacant Time
0	5 sec
1	10 sec
2	15 sec
3	20 sec
4	30 sec
5	2 min
6	4 min
7	6 min
8	17 min
9	33 min

Factory default is Bed Occupancy enabled with 6 minute delay followed by 20 second audible tone (LK1 fitted)

Connection details of OUTPUT connector and optional Lead

Please note the two variations in cable colours that can occur



Pin	Function	P145J (a)	P145J (b)
1	Switch Normally Closed		
2	Supply (+12v)	Black	Red
3	Switch Normally Open	Red	Blue
4	Switch common	Green	Green
5	0v	Yellow	White
6	Instant Alarm Input		

The above applies to P154 version 6 and above (identified by coloured markings on all the connectors). Consult the manufacturer for earlier versions

Notes

Special Order: Sound Detection Only

To special request iTs Designs can supply a modified program that has timings suited to simply the detection of sounds, but will not suit Bed Movement detection. Two versions are available to cover the Transient Sound or Sound Level versions of the product. The instruction here relate to fitting the option and the effect on timings

Sound Transient Detection

- Fit Transient Sound Version of program C1106
- Ensure LK4 is fitted (high gain) and LK3 not fitted(direct output)
- Sensitivity sets gain of microphone (Clockwise = Most sensitive)

Setting	Delay (sec)	Max time between sound bursts *
0	1	1 ie 1 burst in period to activate
1	2	1 ie 2 burst in period to activate
2	3	1.5 ie 2 burst in period to activate
3	4	2 ie 2 burst in period to activate
4	5	2 ie 3 burst in period to activate
5	6	3 ie 2 burst in period to activate
6	7	3 ie 3 burst in period to activate
7	8	4 ie 2 burst in period to activate
8	9	4 ie 3 burst in period to activate
9	15	5 ie 3 burst in period to activate

*Column 3 reflects the time the LED stays on after a sound ceases. The timing continues while the LED stays on.

Sound Level Detection

- Fit Transient Sound Version of program C1106
- Ensure LK4 is not fitted (high gain) and LK3 is fitted (direct output)
- Sensitivity sets sound level threshold (Anti-clockwise = most sensitive)

The time delay setting now become as in the above table

The continuous sound being detected can stop for up to 1 second without upsetting the detection process (allowing the patient to take a breath)

Support

For technical support please fax or EMail:

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...using technology to care for carers