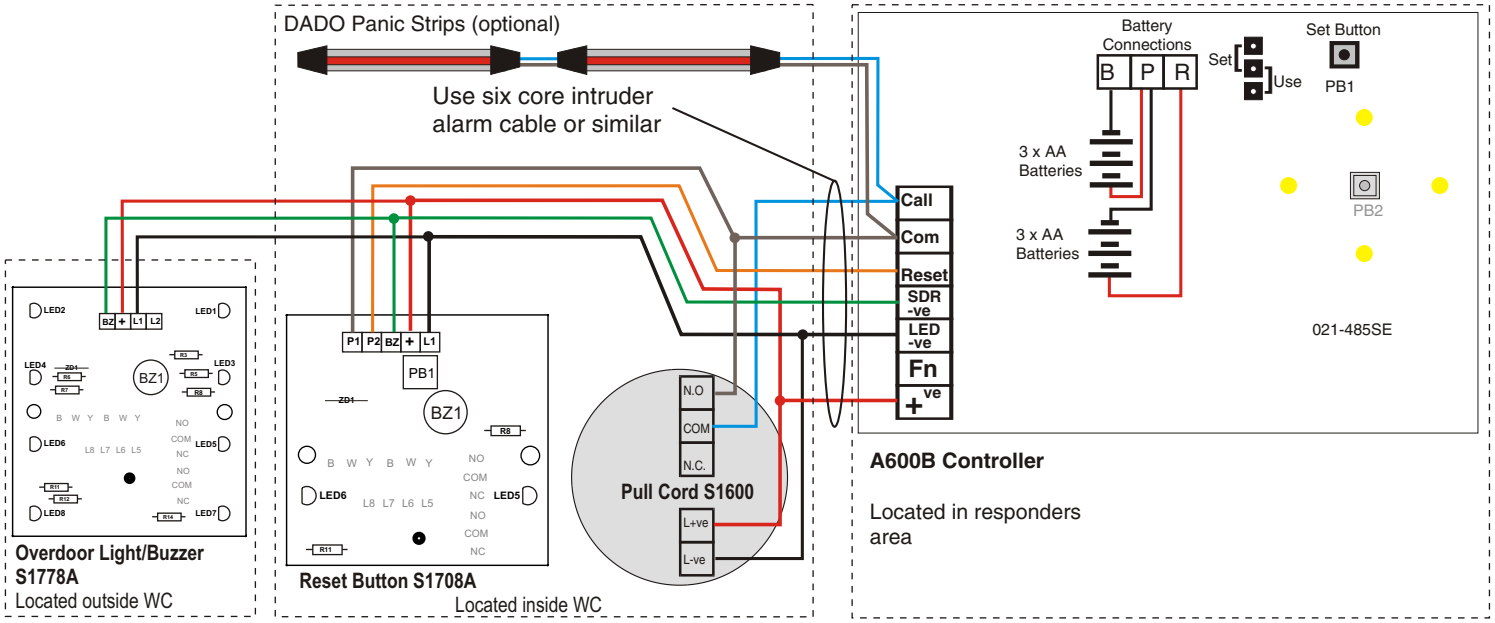
Battery Powered AIDALARM A600B Installation Instructions

The **AIDALARM** is designed as a disabled person alarm system primarily for use in WCs etc..It is designed to comply with BS8300 and the requirements of the Disability Discrimination Act.

The **AIDALARM A600B** controller should be sited where staff are located who can respond to an emergency call. It is powered by 6 x AA Alkaline batteries and there is an integral battery fault monitor. Being battery powered the ancillary items in toilets or other wet areas are at a safe working voltage avoiding any conflict with Part P building regulations.
The **Pull Cord S1600** should be appropriately sited for your application in the WC or where assistance is required. Additional pull cords if required are available separately. The lower bangle on the cord should be set at 100mm above floor level. The second bangle should be set between 800 and 1000mm above floor level.
The **Reset Button S1708A** should be sited near the point of call and should be mounted with the bottom edge between 800 and 1000mm above floor level and a minimum of 350mm from any corner.
The **Overdoor Light/Sounder S1778A** is usually sited outside and above the WC door.
DADO Panic Strip (Optional) is a normally open device, the contacts close when the switch is pressed. Site 150mm from floor level in WCs.

Wiring details
Standard 6 core intruder alarm cable or similar is ideal to connect the **AIDALARM** controller to the ancillary items.



Operation
Using the factory default settings, when a call is generated by pulling the cord or by activating any optional call accessory such as panic strip, audible and visual warning is given at both the WC area and at the AIDALARM control panel. The call can be silenced at the control panel by pressing the control panel button which is located at the centre of the LED diamond. This will cause the panel to bleep every 40 seconds as a warning of non attendance by the responders. The audible indicators at the WC will bleep every five seconds to re-assure the caller. Should the cord be pulled again while in the Silence state, the system will call again. The system is reset at (or near) the point of call using the Reset button S1708A.
Reset buttons and Overdoor units are fitted with LEDs and buzzers. Pull Cords are fitted with an LED. Additional units can be fitted if required. Silence buttons S1703PR can also be fitted to give a more flexible operation. Consult our technical dept.

Battery Test
It is possible to test the batteries by pressing and holding the control panel button at the centre of the LED diamond. One LED illuminated indicates the batteries are very low, three LEDs indicate that the batteries are partly discharged and four LEDs indicate that the batteries are healthy.

Technical Features

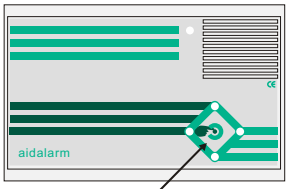
Battery Monitoring
The control panel monitors the health of the batteries. When the batteries reach the end of their life, the control panel will beep and momentarily flash the green power LED every 3 minutes. This prompts the system operator to have the batteries replaced. Good quality alkaline batteries should be used. It is recommended that these batteries are replaced every 12 months during a regular maintenance inspection.

Hoyles Electronic Developments Ltd
T. 01744 886600 F. 01744 886607 E. sales@hoyles.com W. www.hoyles.com

60139 Iss 1 Sept 2011

Programming

All settings made in programming mode will be maintained in memory even if the batteries are removed. The following features of the system can be programmed.



Control Panel Button

a. Control panel button function and Battery Fault Monitor

The control panel button is located at the centre of the LED diamond. There are three possible options for this button. It can be used as either a SILENCE button, a RESET button or be completely disabled. There are also two possibilities for the Battery Fault Monitor (BFM) on or off, ie six combinations altogether.

The default setting is probably adequate for most applications but if it needs to be changed proceed as follows: Move the jumper on the PCB to the Set position. The LEDs will flash indicating the current setting (Silence & BFM for factory default ie Set 1 in the table opposite.) Scroll through the possibilities by pressing the small Set Button on the reverse of the PCB. When finished either continue to set the tone as in (b) below, or move the Set mode jumper back to the Use mode.

We do not recommend that you turn the Battery Fault Monitor off on this version of the product as its only power source is the batteries.

Set	LED Display	Battery Monitor	Function Button
1	◇	ON	SILENCE
2	◇	OFF	SILENCE
3	◇	ON	RESET
4	◇	OFF	RESET
5	◇	ON	DISABLE
6	◇	OFF	DISABLE
1 is the factory default setting			

b. Control panel alarm tone

Whilst in Set mode (jumper on the PCB in the Set position), press the control panel button in the centre of the LED diamond to move into tone setting mode, the LED will indicate steady. Repeatedly press the control panel button to scroll through the four different tones. Pause for 2 seconds after each press and the selected tone will play for 2 seconds. The last tone played is the tone that will be stored in memory. When finished, move the Set mode jumper back to the Use mode.

AIDALARMs and accessories are supplied as individual items or in kit form. Kit part numbers are:

A600LKITM (A600L AIDALARM controller, S1600 pull cord, S1708A reset button and S1778A overdoor light/buzzer)

A600LKITMD (A600L AIDALARM controller, S1600 pull cord, S1708A reset button, S1778A overdoor light/buzzer and RPD01000 1m length of DADO Panic strip)

A600LKITB (A600B (Battery powered) AIDALARM controller, S1600 pull cord, S1708A reset button and S1778A overdoor light/buzzer)

Also available from Hoyles...

Mains Powered Toilet Alarm Kit - A600LKITM



Mains powered
Battery backup
BS8300 and DDA compliant

6 Zone Toilet Alarm System - AA31110D



6 zone control panel providing central indication of calls.
Expandable
Repeater panels available
Requires 1 x pull cord (S1600), 1 x over door light / sounder S1778A and 1 x reset button S1708A per zone (Available separately).
BS8300 and DDA compliant


S1600


S1778A


S1778A

Hoyles Electronic Developments Ltd
T. 01744 886600 F. 01744 886607 E. sales@hoyles.com W. www.hoyles.com

60139 Iss 1 Sept 2011