

Mains Powered AIDALARM A600L

The **AIDALARM A600L** controller should be sited where staff are located who can respond to an emergency call. It is usually powered by 230vac. Standby batteries are included and there is an integral battery fault monitor. Alternatively, it can be powered by 12vdc, in this case the standby batteries should not be fitted, the battery fault monitor disabled (see later) and a 12vdc PSU with standby battery used instead. The system voltage is 12vdc thus 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.

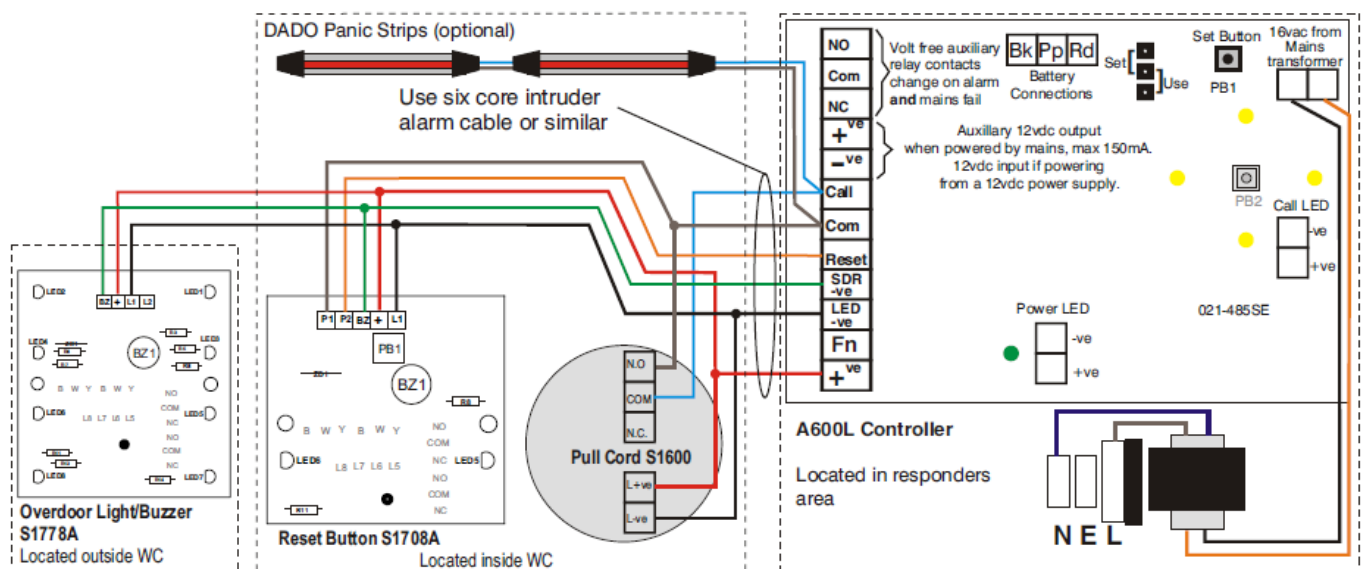
The **Reset Button S1708A** should be sited near the point of call and should be mounted with the bottom edge between 800 and 1000mm above floor level and a minimum of 350mm from any corner.

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. The mains supply, when used, should be 1mm² twin and earth from a suitable 3A fused spur.



Operation

1. The Aidalarm controller should be sited where staff are located who can respond to an emergency call.
2. Ceiling pull cord and optional Dado panic strip or call buttons are situated in the toilet or other area where assistance may be required.
3. Pulling the cord or pressing the panic strip/call button generates an immediate audible/visual alarm at both the WC area and at the control panel. An LED illuminates on the pull cord giving the caller reassurance that the call has been placed.
4. The call can be silenced by pressing the button on the front of the control panel.
5. The audible indicators at the WC will bleep every 5 seconds to re-assure the caller.
6. Should the cord be pulled again while in the silenced state, the system will call again.
7. Non-attendance will cause the panel to bleep every 40 seconds as a warning.
8. The system can only be reset by the Press to Reset button located at or near the point of call.

Technical Features

Battery Test

Hold 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.

Battery Monitoring

When batteries are low the panel will beep and momentarily flash the green power LED every 3 minutes. Replace every 12 months.

Mains Failure

On mains failure the unit will beep every 90 seconds, and the alarm relay will change state.

Alarm Relay

A single pole change over volt free relay will change state when the alarm is active

Programming

All settings will be maintained in memory even if power and batteries are removed. The following features of the system can be programmed:

Control panel button function and Battery Fault Monitor

To toggle the battery fault monitor and change the function of the button on the panel, move J1 on the PCB to the set position and press the set button until the desired pattern of LED's is displayed.


Please note, if the control panel is powered from a remote 12vdc power supply then the BFM should be set to OFF i.e. Set 2, 4 or 6

Control panel alarm tone

To change alarm tone move J1 on the PCB to the set position and press the panel button on the front to cycle through the tones. The last tone played will be stored in memory.

You can purchase Aidalarm as individual items or in kit form, kit part numbers as follows:

Part Number	Kit Contents
A600LKITB	A600B battery controller, S1600-R pull cord, S1708A reset button, S1778A overdoor light and sounder.
A600LKITM	A600L mains controller, S1600-R pull cord, S1708A reset button, S1778A overdoor light and sounder.
A600LKITMD	A600L mains controller, S1600-R pull cord, S1708A reset button, S1778A overdoor light and sounder, RPD01000 1m length of Dado panic strip.



Control Panel Button

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

Note: The selected alarm tone dictates the flash rate of the various LEDs within the system. Depending on the tone selected, the flash rate will be between 1 and 4Hz.

S1703PYTC call point connections

