The system components for a toilet system

AA31110D Controller

S1600 Non-latching Pull Cords with LEDs or
S1705P Non-latching Call buttons with LEDs
S1708PR Reset buttons or
S1708S Stainless Steel Reset Buttons
S1778PR Overdoor Light/buzzer or
S1778SR S/ Steel Overdoor Light/buzzer

The system components for a pool alarm system

AA31110D Controller

WRP-B-11 Latching waterproof call points or
S1711WP Latching twist to reset call buttons
8581750/HB Sounder beacon
LAB35200 Call point signs

INSTALLATION INSTRUCTIONS

IT IS IMPORTANT TO FIX THE MULTIGUARD TO A FLAT SURFACE. IF THE BOX DISTORTS IT IS DIFFICULT TO TEST OR VERIFICATION SEQUENCE ON POWER UP. You should verify that the unit as supplied is functioning normally before making any connections.

When a call point is operated the local indicators and buzzers operate to inform the caller that the call has been transmitted. The zone LED at the panel also flashes and the integral buzzer sounds. The global alarm relay switches while the buzzer sounds. When a call is silenced at the panel all flashing LEDs become steady and all buzzers silence to inform everyone involved, that the call has been received and help is on the way. When help finally arrives the call is reset at the point of activation. All LEDs and buzzers pertaining to that zone will be extinguished and silenced. (If a toilet alarm input is seen by the panel after the zone has been silenced, the zone will re-trip).

POWER SUPPLY

The AA31110D is supplied with an integral 13.8vdc power supply rated at 250ma with a rechargeable 0.7 Ahr standby battery. The MULTIGUARD has a power requirement of 25ma quiescent and 60ma maximum with all zones tripped. The integral power supply will therefore support six zones plus the external ancillary equipment such as over door lights and buzzers. However, it will not support all zones tripped for long periods. The standby battery will support the system for about six to eight hours in quiescent and approximately 3 hours if two zones are tripped.

Connection & Power Up sequence.

The MULTIGUARD has a short test or verification sequence on power up. You should verify that the unit as supplied is functioning normally before making any connections.

1. Ensure F4 is linked to +ve. Plug in the battery. The MULTIGUARD will beep at 1 second intervals. Press the SILENCE button F1. The LED’s will flash three times and then reset automatically. Disconnect the battery.

2. Disconnect the battery. The MULTIGUARD will beep at 1 second intervals. Press the SILENCE button F1. The LED’s will flash three times and then reset automatically. Disconnect the battery.

3. Connect the mains cable to the terminal block and terminate as per the connection diagram. Any excess cable should be left in the side channels between the clip and the outer wall. This helps to prevent the clips deforming.

4. Ensure the mains fuse is fitted and the transformer leads (Blue & Yellow) and earth lead (Green) are connected to the PCB.

5. Reconnect the battery, the system will once again go through the test routine. Clip the PCB assembly onto the back box.

6. Switch on the power at the fused spur. Observe the green Main On LED.

7. The system can now be tested and the decals marked up and lid clipped into place. The mark resistant decal covers a removable identification panel which can be created by a word processor or graphics package to enable a professional looking finish to be achieved for each installation. Two example blanks are supplied with these instructions.
Example System Configuration:
1. Operating the air button pushes air down the tube to the air switch.
2. The air tube connects the air button inside the hot area to the waterproof enclosure containing the air switch on the outside of the hot area.
3. Once activated the double pole changeover contacts allow onward connection to an 8581750/HB 32 Tone Sounder Strobe and alarm system - such as our Multi zone AA3111OD controller.
4. Pushing and holding the red air button within the hot area for 5 seconds or more will reset the alarm and sounder strobe.