

INSTALLATION WIRING DIAGRAM

Single Door with
Screen

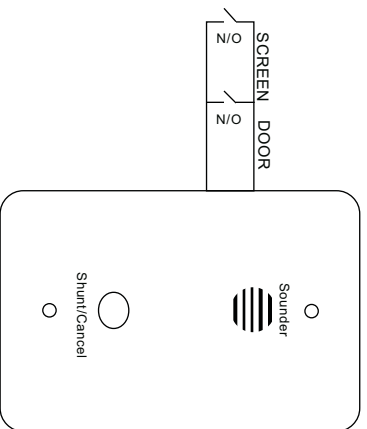


Figure 1. Wiring Diagram

INSTALLATION INSTRUCTIONS

A) Installing the Door Sensor

NOTE: Closed Loop Switch Required.

The GRI DOORALERT/POOL ALARM uses CLOSED LOOP (normally open) magnetic reed switches. Install the magnetic reed switch on the door according to the manufacturer's installation instructions. If there is a screen door, a switch should be installed on it as well. The switches should be connected in parallel as in Figure 1. In this configuration the DOORALERT/POOL ALARM will only activate if both doors are open. Next run the wires from the switch(es) to where the DOOR ALERT/POOL ALARM will be located on the wall.

B) Installing the DOOR ALERT/POOL ALARM

NOTE: The DOOR ALERT/POOL ALARM must be mounted as per local code or regulations.

SURFACE MOUNT VERSION:

Remove the DOORALERT/POOL ALARM from the surface mount case. Knockouts are provided on this case for wire access. Attach the surface mount case directly to the wall or existing fixture, or it may be mounted to terminal TM1 pins 2 and 5. It does not matter which wire goes in which location. Using an external 12 volt DC supply, run the wires from the power source to the alarm unit and attach the positive voltage to pin 1 and ground to pin 2 of terminal TM1.

If battery backup is desired, connect a standard 9 volt battery. The alarm will beep twice during power up indicating a successful diagnostics test. Lay the battery in the bottom of the case and reassemble the DOOR

ALERT/POOL ALARM with the button on the bottom and the sounder on top. Secure with the two screws provided.

RECESSED VERSION:

The recessed version of the DOORALERT/POOL ALARM is designed to fit in a single gang utility box. Run the wires from the door sensor switch(es) into the utility box. Attach the wires to terminal TM1 pins 2 and 5. It does not matter which wire goes in which location. Using an external 12 volt DC supply, run the wires from the power source to the alarm unit and attach the positive voltage to pin 1 and ground to pin 2 of terminal TM1. If battery back up is desired, install a standard 9 volt battery on the back of the DOORALERT/POOL ALARM. The alarm will beep twice during power up indicating a successful diagnostics test. Finally, insert the DOORALERT/POOL ALARM into the utility box with the button on the bottom and the sounder on top. Secure with the two screws provided.

PERTAINS TO SURFACE MOUNT AND RECESSED:

To maintain maximum sounder volume, a low battery mode will be initiated. Should the voltage drop below 7 volts the low battery mode will be triggered and the unit will sound 2 beeps approximately every 3 seconds for one to two weeks prior to total battery failure. The battery must be replaced at this time and the cause of power failure determined and restored.

When the alarm is sounding, it can only be turned off by pressing the shunt/cancel button. If the door is still open 15 seconds after the button is pressed, the alarm will sound again and continue until the door is closed and the button is pressed.

WIRING SPECIFICATION:

For connection of optional remote equipment and door contact switches a Belden CAT5 CL2 or equivalent cable is recommended. For the connection of the 12 volt power supply to the alarm unit a Belden 18-2 CL2-CMR 300V 60°C or equivalent wire is recommended. In all cases installer should reference current local N.E.C. code, and/or code requirements set forth by local housing authority or code enforcement jurisdiction.

RECOMMENDED SYSTEMS TESTING:

Periodic system testing shall be performed on a weekly basis, and should incorporate operation of each door and window covered by the system, to confirm an alarm sounding at each opening. Installation of on-board battery as redundant power source shall necessitate this testing is performed with primary power source disconnected. In all cases battery should be replaced on a regular basis of every 80 to 90 days.