

Closed Loop Pool Access Alarm

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DPARM

- ◆ Exceeds operational requirements of model barrier codes
- ◆ Battery power and/or external power source
 - ◆ Instant on or 7 second delay
 - ◆ Microprocessor controlled
 - ◆ Low battery alert
 - ◆ Surface or recessed models
 - ◆ SPDT relay output available
- ◆ Remote sounders and buttons available



APPLICATION:

The GRI Pool Access Alarm is designed as an aid to detect unsupervised access to a pool/spa area by a small child. Monitoring a door or window with a magnetic reed switch(es), the Pool Access Alarm will sound an alarm should anyone too small to manage the adult pass through feature tries to enter the pool/spa area. For maximum protection all movable openings should be protected in such a manner by the GRI Pool Access Alarm. The self contained surface mounted alarm may easily be mounted to the wall of any structure or mounted inside a single gang utility box.

DESCRIPTION:

The GRI Pool Access Alarm uses a microprocessor to monitor the Closed Loop magnetic reed switch(es), shunt/cancel button, and supply voltage, and to provide the timing options. The Pool Access Alarm is set to alarm instantly if the protected door is opened before pressing the shunt/cancel button. Model DPARM-D is set to an initial seven second delay. In which case, alarm will wait 7 seconds upon door opening before alarming. In all cases, depressing the shunt/cancel button will provide a maximum 15 second window of alarm deactivation and automatically reset upon expiration.

WARNING: THIS IS NOT A LIFE SAVING DEVICE.

Part Numbers

DPARM
DPARMD

Pool Access Alarm - Instant On - Closed Loop
Pool Access Alarm - 7 Second Delay - Closed Loop

WARRANTY: One year limited warranty against workmanship, material and factory defects.

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Closed Loop Pool Access Alarm

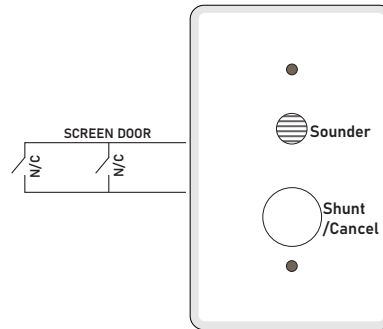
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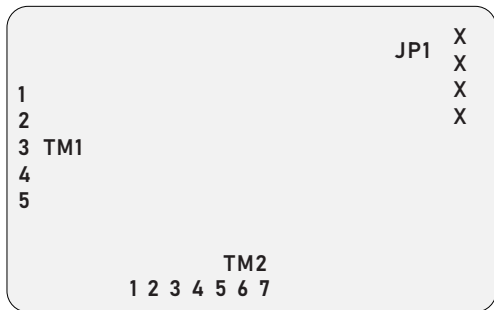
INSTALLATION WIRING DIAGRAM

Single door with screen

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 Door Alert/Pool Alarm will only activate if both doors are open.



TERMINAL CONNECTIONS AND JUMPERS



TERMINAL BLOCK TM1		Sounder Volume Control JP-1	
1	External Power (+)		
2	Ground	<input checked="" type="checkbox"/>	Full Volume
3	Remote Reset/Delay Switch	<input checked="" type="checkbox"/>	
4	Not Used	<input type="checkbox"/>	
5	Door Contact	<input type="checkbox"/>	
TERMINAL BLOCK TM2		<input type="checkbox"/>	
1	Remote Sounder Control	<input checked="" type="checkbox"/>	3/4 Volume
2	Remote Power	<input checked="" type="checkbox"/>	
3	Not Used	<input type="checkbox"/>	
4	Relay N/O	<input type="checkbox"/>	
5	Relay Common	<input type="checkbox"/>	
6	Relay N/C	<input checked="" type="checkbox"/>	1/2 Volume
7	Ground	<input checked="" type="checkbox"/>	

It is suggested that surge protection, such as the GRI CS-1 Current Sensor, be used between the power supply and all GRI Pool Alarms using external power.

NOTE: Unit will function at minimum 5VDC at a very limited sounder volume. This power level is considered total battery failure.

SPECIFICATIONS

Battery Type	Standard 9 Volt
Battery Life	Approximately 3-6 months
External Power	12 DC 500 mA Output
	Applied Voltage must not exceed 15 Volts DC
Low Battery Mode	6.5V DC
Mounting Height	Ref. Local Code
Sounder Rated	85 dB at 10 ft. (3.5 M)
Switch	Closed Loop

Relay Contacts

Nominal Switching Capacity	2A 30 VDC
Max Switching Power	60 Watts
Max Switching Current	2 Amps

DISCLAIMER

The GRI Door Alert/Pool Alarm is not a life saving device. Its' intent is to serve strictly as a monitoring device on doors and windows to help prevent unattended access to pool spa area.

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