

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.

GEORGE RISK INDUSTRIES, INC.
G.R.I. PLAZA
KIMBALL, NE 69145
WWW.GRISK.COM



Made in U.S.A.

TOLL-FREE 1-800-445-5218
TOLL-FREE 1-800-523-1227
(308) 235-4645
FAX (308) 235-3561
E-MAIL: sales@grisk.com

Closed Loop Pool Access Alarm

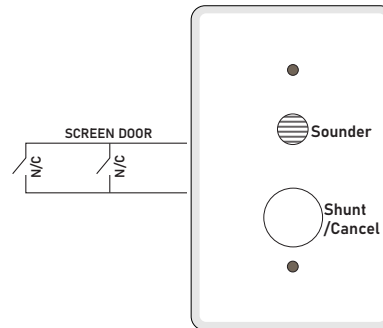
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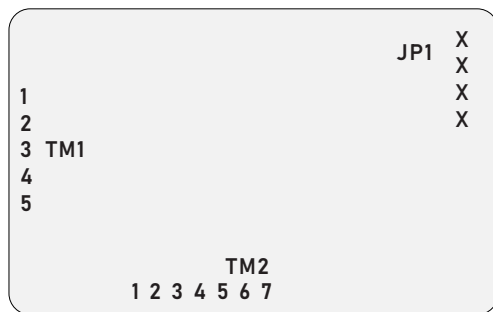
INSTALLATION WIRING DIAGRAM

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"/> | |
| | | <input checked="" type="checkbox"/> | |
| TERMINAL BLOCK TM2 | | 3/4 Volume | |
| 1 | Remote Sounder Control | <input checked="" type="checkbox"/> | |
| 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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