

Battery Discharge Alarm

Installation & Operation Instructions

Operation

Battery Discharge Alarms are designed to protect sealed and flooded lead-acid batteries from over-discharge.

An intermittent 80-db buzzer will start to sound whenever the battery's voltage drops to or below the alarm reference voltage (1.99 volts per cell for sealed batteries, 1.85 volts per cell for flooded batteries, or as specified) for a fixed period of time.

The buzzer will stop when and if the battery's voltage recovers above the alarm reference voltage for a fixed period of time.

Installation

The alarm mounts inside the battery container. The back of the alarm has a magnetic strip for easy attachment to the battery's steel tray or cover, or use acid-resistant ties to attach to an intercell connector.

Each unit is factory calibrated for the specific battery voltage noted on the unit.

The wire harness includes a 36" long Black wire, a 36" long Red wire, a 36" long White wire, and a 4" short Black wire.

Connect the long BLACK wire to the battery's negative terminal.

Connect the long RED wire to the battery's positive terminal.

Connect the long WHITE wire to a point on the battery that provides 12 volts between the long WHITE and BLACK wires.

The short Black wire is for connection to an external 12-volt horn or light should one be needed in a noisy environment.

Connect one wire from the horn or light to the short Black wire. Connect another wire from the horn or light to the battery terminal where the long WHITE wire is attached. Polarity need not be observed. The alarm's internal buzzer and the external horn or light will operate in unison. Maximum allowable horn or light draw is 700 ma.

Battery Discharge Alarms are warranted to be free of defects in workmanship and materials for a period of three (3) years when installed and used in accordance with these instructions. Water and sulfuric acid damage to the connectors and buzzer are beyond the control of Arrgh Mfg., Inc. and thus excluded from this warranty.