

# E-4 Swimming Pool Heater Alarm

with Status Indicator Lights and Alarm Bell

The E-4 Alarm is a solid state electronic status indicator and alarm that has been engineered to simplify troubleshooting and minimize down time.

## Features

Solid State Electronic Circuit Board

Mechanical Alarm Bell Standard

Electronic Alarm Buzzer Standard

Alarm Silencing Switch

Operating and Fault LED's (Light Emitting Diodes)

Power - Green

Pilot - Amber

Main Gas - Green

Safety Shutdown - Red

Auxiliary Alarm - Red

Auxiliary Alarm Option

Optional Remote Alarm Panel

Monitors 24 or 120 VAC Inputs

Heater or Remote Mounted

Rainproof Gasketless Enclosure

UL and cUL Listed

Illinois State School Code Compliant

One Year Limited Warranty

Designed and manufactured by Raypak, the E-4 Swimming Pool Heater Alarm is another example of innovation from your "Heater Company".



Optional Remote Alarm Panel

Raypak, Inc. reserves the right to make product changes or improvements at any time without notification.

**Raypak**<sup>®</sup>  
A Rheem<sup>®</sup> Company

## System Characteristics

### Control

Solid State Electronic Circuit Board

### Front Panel Indicator Lights

Power - Green  
Pilot - Amber  
Main Gas - Green  
Safety Shutdown - Red  
Auxiliary Alarm - Red

### Alarms

Mechanical Alarm Bell (3" Standard/4" Option)  
Electronic Alarm Buzzer  
Auxiliary Alarm Option:  
Adjustable Time Delay: 5 - 60 secs.  
Momentary Alarm Silencing Switch

### Remote Alarm Panel (Optional)

Electric Alarm Buzzer and Indicating Light  
Remote Alarm Silencing Switch  
Mounts with 4" X 4" Duplex Box  
Mountable up to 500' Away

### Electrical Characteristics

Power: 120 VAC, 0.25A, 60 Hz  
Monitors: 24 or 120 VAC

### Ambient Conditions

Temperature: -40 to 175°F  
Humidity: Non-condensing to 90% RH

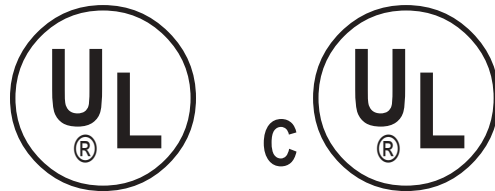
### Interoperability

Integrates with all Raypak Boilers and Controls

### Enclosure

NEMA 3R Rainproof  
8-1/2W x 10H x 7D  
Gasketless Door  
Vandal Resistant Design  
Left, Right or Rear Mounting  
Boiler or Remote Mounted

### Limited One Year Warranty



## Sample Specification

Provide the Raypak UL Listed E-4 Swimming Pool Alarm that shall monitor and give indication of an alarm condition affecting its associated Swimming Pool Heater. The alarm module shall be solid state and shall be capable of processing either 24 VAC or 120 VAC inputs.

It shall be equipped with LED's (Light emitting diodes) that indicate a signal present and shall be color coded as listed below:

Power	Green: indicating the alarm unit is receiving power.
Pilot	Amber: indicating the pilot gas valve is open.
Main Gas	Green: indicating the main gas valve is open.
Safety Shutdown	Red: indicating that a safety shutdown has occurred.
Auxiliary Alarm	Red: (Optional Aux. Alarm) indicating that a safety shutdown has occurred after a built-in user adjustable time delay has expired.

A 3" diameter and 4" diameter mechanical bell and a modulating electronic alarm buzzer shall sound when an alarm condition occurs. A momentary switch shall silence the alarm bell and buzzer. The alarm signal will automatically reset once the alarm condition has been corrected.

Provide a remote alarm panel with indicating light, electronic alarm buzzer and remote silencing switch. The remote alarm panel shall mount in a 4" X 4" junction box up to 500 feet away from the alarm control panel.

The alarm module shall be suitable for wall or heater mounting up to 20 feet away from the associated heater and shall be enclosed in a NEMA 3R rated rainproof enclosure. The enclosure shall be vandal resistant and shall be of a gasketless mechanical seal design.

The alarm and heater shall be manufactured by the same company and shall carry single source responsibility.

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