E–4 BOILER ALARM ANNUNCIATOR

Electronic Boiler Status and Alarm Display Module

The E–4 Boiler Alarm Annunciator is a solid state electronic boiler status indicator and alarm panel that has been engineered to enhance safety, simplify troubleshooting and minimize equipment downtime.

Features

Solid State Electronic Circuit Board

Mechanical Alarm Bell

Electronic Alarm Buzzer

Alarm Silencing Switch

Operating and Fault LED's

Auxiliary Alarm Option

Optional Remote Alarm Panel

Monitors 24 or 120 VAC Inputs

Boiler or Remote Mounted

Rainproof Gasketless Enclosure

UL and cUL Listed

Illinois State School Code Compliant

One-year Limited Warranty

OPTIONAL REMOTE
ALARM PANEL

Designed and manufactured by Raypak, the E–4 Boiler Alarm Annunciator is the product of a three-generation legacy of technical innovation and over four and a half decades of proven quality.

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

Raypak®

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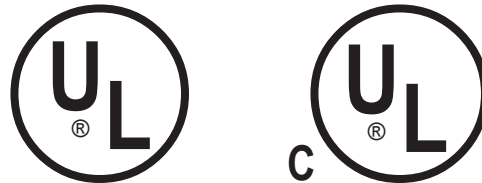Temperature: -40 to 175°F
Humidity: Non-condensing to 90% RH

Interoperability
Integrates with Raytherm Boilers and Controls

Enclosure
NEMA 3R Rainproof
8-1/2"W x 10"H x 7"D
10-1/4 lbs.
Gasketless Door
Vandal-Resistant Design
Left, Right or Rear Mounting
Boiler or Remote Mounted

Limited One-Year Warranty

Sample Specification

Provide a Raypak E–4 Boiler Alarm Annunciator that shall monitor and give indication of an alarm condition affecting its associated boiler. 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 that indicate a signal present and shall be color coded as listed:

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 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 annunciator.

The alarm module shall be suitable for wall or boiler mounting up to 20 feet away from the associated boiler 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 boiler shall be manufactured by the same company and shall carry single source responsibility.