

# EXTECH<sup>®</sup>

## User Manual

### Remote Relay Alarm Kit

Model SL123 (AC) and SL124 (DC)



## ***Introduction***

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This Remote Relay Alarm Kit provides a means to interface the Extech SL130G Sound Level Monitor or the RH520A Humidity-Temperature Recorder to an external device to indicate when over limit condition occurs.

# Contents

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## SL123

10A AC Solid State Relay. (Crydom D2410)  
Alarm Relay Trigger Cable (3 meter length with 3.5mm mono plug).  
Nickel-plated screws and saddle clamps.

## SL124

3A DC Solid State Relay. (Crydom DC60S3)  
Alarm Relay Trigger Cable (3 meter length with 3.5mm mono plug).  
Nickel-plated screws and saddle clamps.

# Specifications

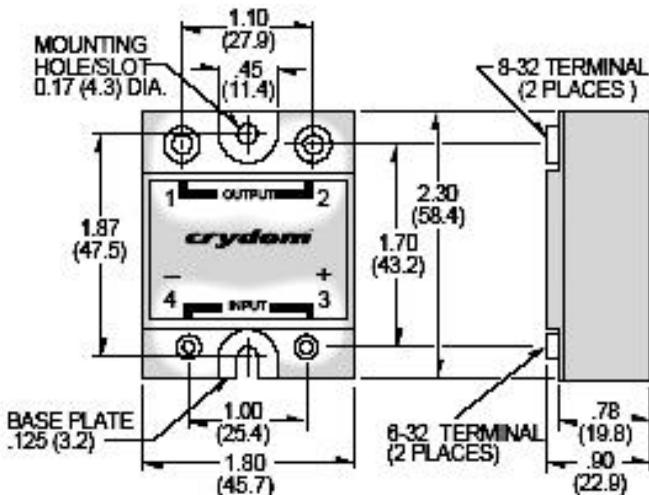
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## SL123

Solid-State Relay output: Form 'A', normally open.  
Load Current: 40 mA minimum to 10 Amps AC max. at 25 °C ambient.  
Derate linearly to 1.9 Amp AC at 80 °C ambient.  
Operating Voltage Range: 24 to 280 V(rms) at 47 to 63 Hz.  
Leakage current in OFF state: 10 mA max.  
Operating Temperature: -40 to +80

## SL124

Solid-State Relay output: Form A, normally open.  
Load Current: 0.02A minimum to 3 Amps DC max. at 25 °C ambient.  
Derate linearly to 0.75 Amp DC at 80 °C ambient.  
Operating Voltage Range: 3 to 60V.  
Operating Temperature: -30 to +80 °C.



## Connection Information

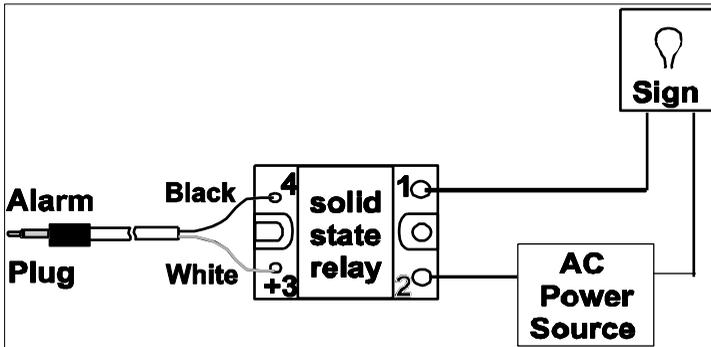
**CAUTION:** Installation must be done by a licensed electrician in compliance with the National Electric Code and any applicable regional or local wiring codes.

1. Mount the relay in a suitable enclosure.
2. Connect the Alarm Relay Trigger Cable to the Solid-State Relay control inputs using the screws and saddle clamps provided.
  - a) Black wire connects to terminal 4 (-).
  - b) White wire connects to terminal 3 (+).
3. Connect the output, terminals 1 & 2, in series with the intended load

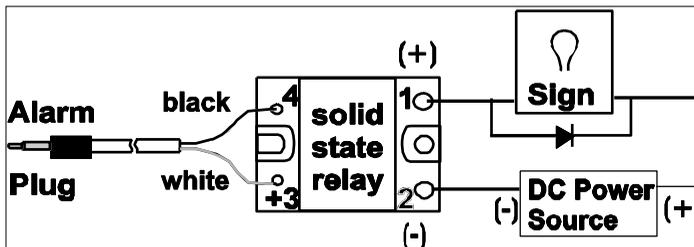
**Note:** For AC and DC applications, the input polarity must be observed

**Note:** For DC applications, the output polarity must be observed and inductive loads must be diode suppressed

### AC Connections



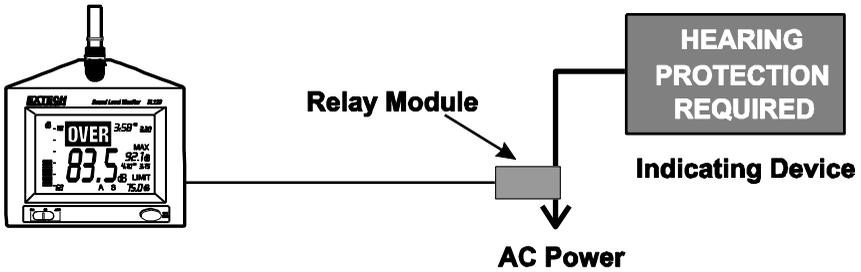
### DC Connections



*All loads are inductive, even ones that are not so labeled. An inductive load will produce harmful transient voltages when it is turned off. Diodes should be fast recovery type with PIV rated greater than supply voltage.*

## Typical Application

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## Contact Customer Support

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Customer Support Telephone List: <https://support.flir.com/contact>

Calibration, Repair, and Returns: [repair@extech.com](mailto:repair@extech.com)

Technical Support: <https://support.flir.com>

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