



ENVIROMUX-SDS-CE ENVIROMUX-SDS-CE-PA SMOKE DETECTION SENSOR

Installation Instruction

The ENVIROMUX-SDS-CE is a smoke detection sensor intended for connection to an NTI ENVIROMUX-MINI or an ENVIROMUX-SEMS-16 (ENVIROMUX) for use in detecting smoke in a server cabinet environment. When properly connected, the ENVIROMUX-SDS-CE will provide signals to the ENVIROMUX that with proper configuration will result in alert messages being sent to the administrator of the ENVIROMUX. The ENVIROMUX-SDS-CE has screw terminals for easy user connections.

Optionally, the ENVIROMUX-SDS-CE-PA also includes a 9VDC (unregulated) AC adapter (just add “-PA” to the model number).

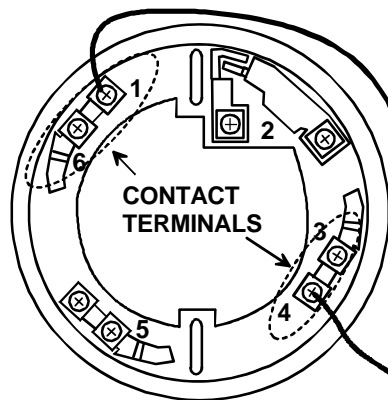
Install the Base

Mount the base of the ENVIROMUX-SDS-CE where smoke detection is desired.

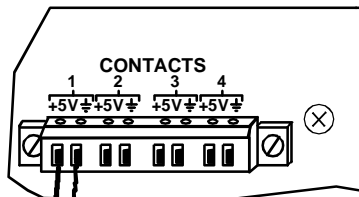
Switch Contact Connection

1. Connect two 18-22 awg wires (not supplied) from any set of dry contacts (see below) on the ENVIROMUX-MINI (set 1, 2, 3, or 4) or “Digital In” terminals on the ENVIROMUX-SEMS-16 (sets 1-8).
2. Connect the other end of those two wires to the contact base at terminal set 1-6 and 3-4 on the smoke detection sensor.

VIEW OF WIRE TERMINALS ON BASE OF ENVIROMUX-SDS-CE-PA



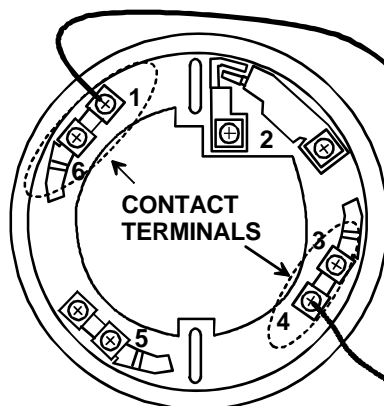
VIEW OF DRY CONTACTS ON ENVIROMUX-MINI



CONNECT THE SMOKE SENSOR CONTACT TERMINALS TO ANY SET OF DRY CONTACTS ON THE ENVIROMUX-MINI (1-4)

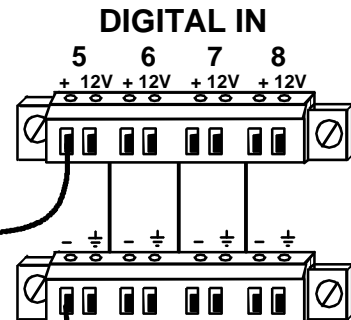
18-22AWG WIRES (NOT SUPPLIED)

VIEW OF WIRE TERMINALS ON BASE OF ENVIROMUX-SDS-CE



18-22AWG WIRES (NOT SUPPLIED)

(ON REAR OF ENVIROMUX-SEMS-16)



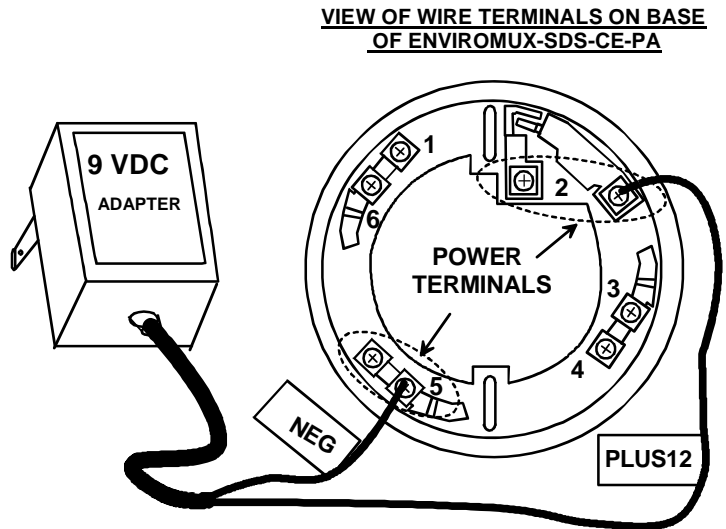
CONNECT THE SMOKE SENSOR CONTACT TERMINALS TO ANY SET OF DIGITAL IN TERMINALS ON THE ENVIROMUX-SEMS-16 (1-8)

Power Connection

For Model ENVIROMUX-SDS-CE-PA:

1. Connect the AC adapter wire labeled "PLUS 12" to terminal 2 on the smoke detection sensor.
2. Connect the AC adapter wire labeled "NEG" to terminal 5 on the smoke detection sensor.
3. Be sure to tighten terminals to secure each conductor.

Note: The use of the power supply is optional when used with an ENVIROMUX-SEMS-16. The user can also connect the smoke detector as described below.

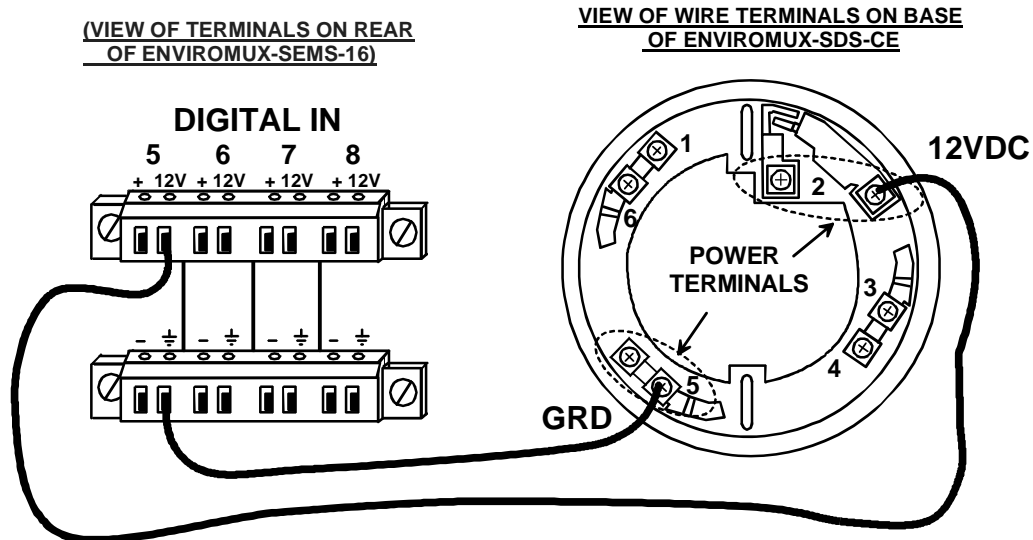


For Model ENVIROMUX-SDS-CE:

1. Connect two 18-22awg wires (not supplied) between the ENVIROMUX-SEMS-16 and the ENVIROMUX-SDS-CE as shown below.
 - a. Connect one wire between "12V" on the ENVIROMUX and terminal 2 on the smoke detector.
 - b. Connect the other wire between "⏏" (ground) on the ENVIROMUX and terminal 5 on the smoke detector.

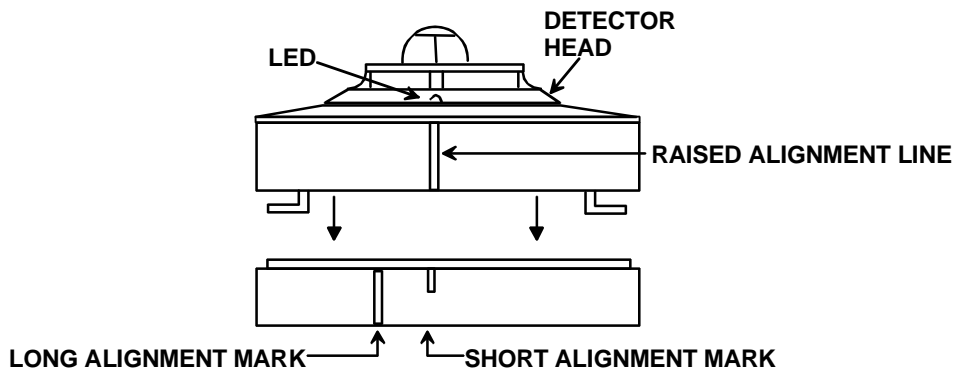
The smoke detector can be connected to any pair of 12V and ground terminals within the "Digital In" block (1-8).

2. Be sure to tighten terminals to secure each conductor.



Install the head

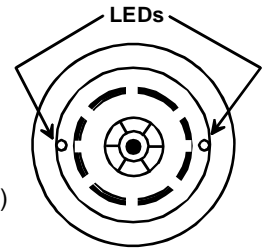
1. Align the raised line on the head to the short raised line on the base as shown in Fig. 2.
2. Rotate the head clockwise until the raised line on the head aligns with the longer raised line on the base.



Operation

1. Connect the AC adapter to a 120VAC power source. The LEDs on the ENVIROMUX-SDS-CE-PA will illuminate green to indicate the sensor is functioning and in status-ready condition. The LEDs will illuminate red when smoke is detected.
2. Configure the ENVIROMUX-MINI or ENVIROMUX-SEMS to report signals from the connected dry contact sensor as smoke detection sensor alerts. (Refer to ENVIROMUX-MINI/ ENVIROMUX-SEMS-16 manual for details on configuration- see also examples below and on next page.) When smoke is detected, the switch terminals on the ENVIROMUX-SDS-CE-PA will close to generate an alert message.

For maintenance and testing instruction, see the instructions that are included from the sensor manufacturer with this kit.



Top View of
ENVIROMUX-SDS-CE-PA

Dry Contact Sensor Configuration

Name:

Thresholds	Alert Timing	
Alert when: <input type="text" value="Closed"/>	Alert hysteresis: <input type="text" value="5"/> seconds	<input checked="" type="checkbox"/> Notify on return to normal
	Notify again after: <input type="text" value="1"/> hours	

Alert Methods

<input type="checkbox"/> E-mail	<input type="checkbox"/> SNMP
Notify addresses: <input type="text" value="me@mydomain.com"/>	Notify address: <input type="text" value="0.0.0.0"/>
<i>(separate by commas, max 112 characters)</i>	<input checked="" type="checkbox"/> Syslog
	Notify address: <input type="text" value="192.168.1.20"/>

Message to send with alerts (optional):

(max 160 characters)

Disable alerts for this sensor

Example of sensor configuration in ENVIROMUX-MINI

Digital Input Configuration

Type: Digital Input		
Description: <input type="text" value="Smoke Detector"/>	Group: <input type="text" value="Group # 5"/>	
<input type="checkbox"/> Disable alerts for this sensor		
Normal Status		
Normal Status: <input type="text" value="Open"/>		
Sampling		
Sampling Period: <input type="text" value="2"/> <input type="text" value="Sec"/>	<input type="checkbox"/> Add to Data Log File	
Add reading to log file every: <input type="text" value="60"/> <input type="text" value="Min"/>		
Alert Settings		
Alert Delay: <input type="text" value="1"/> <input type="text" value="Sec"/>	Notify again after: <input type="text" value="4"/> <input type="text" value="Hours"/>	
<input type="checkbox"/> Notify when return to normal		
<input type="checkbox"/> Automatically acknowledge alert when condition clears		
Alert Notifications		
<input checked="" type="checkbox"/> Enable E-mail Alerts	<input type="checkbox"/> Enable SNMP Traps	<input type="checkbox"/> Enable SMS Alerts
<input type="checkbox"/> Enable Syslog Alerts	<input type="checkbox"/> Enable Siren Alerts	<input type="checkbox"/> Enable Alarm Beacon
E-mail Subject: <input type="text"/>		
Outputs		
Associate output <input type="text" value="(M) #1"/>	On alert <input type="text" value="close"/>	the output contact
	On return to normal <input type="text" value="open"/>	the output contact
<input type="button" value="Apply"/> <input type="button" value="Status"/> <input type="button" value="Remove"/>		
Test Alerts: <input type="button" value="Simulate Alert"/> <input type="button" value="Clear"/>		

Example of sensor configuration in ENVIROMUX-SEMS-16

Warranty Information

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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CHANGES

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