

# ENVIROMUX-BEEP1

Rugged Miniature Piezo Siren, 103dB

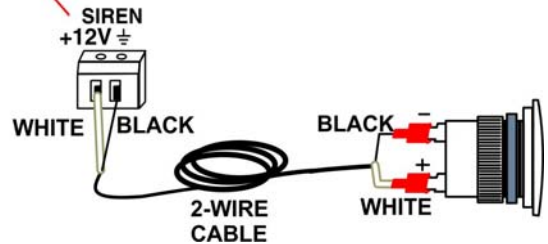
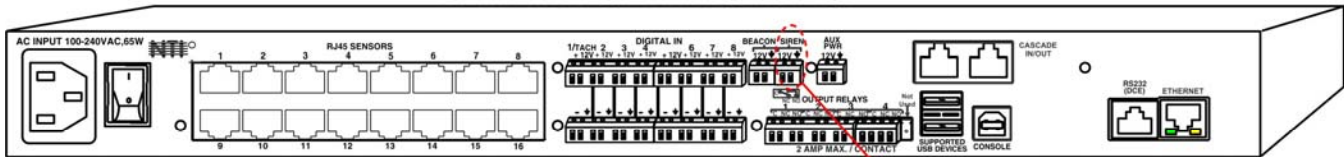


## Guide for Installation with an ENVIROMUX Enterprise Environment Monitoring System

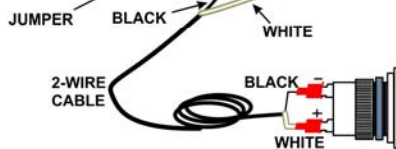
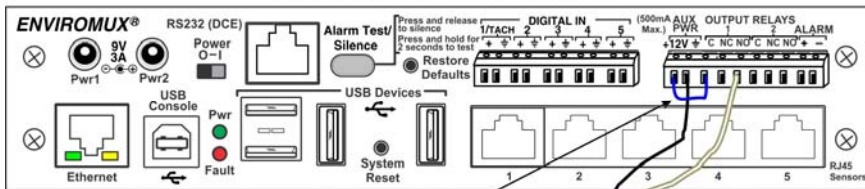
ENVIROMUX-BEEP1 is a general purpose piezo siren to provide audible indication of alert when configured to respond to variations in a sensor's readings. Operating on 12VDC, the ENVIROMUX-BEEP1 can be controlled and powered by an ENVIROMUX-2D, ENVIROMUX-5D or ENVIROMUX-16D Enterprise Environment Monitoring System (SYSTEM). With an optional 12VDC power supply, the ENVIROMUX-BEEP1 can also be controlled by an ENVIROMUX-MINI-LXO.

Follow the wiring diagrams below to connect the ENVIROMUX-BEEP1 to a SYSTEM and then configure the SYSTEM to power the piezo as part of an alert response to provide users with audible indication of alert. An example of that configuration can be found on page 2.

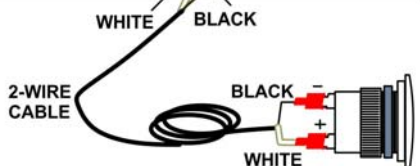
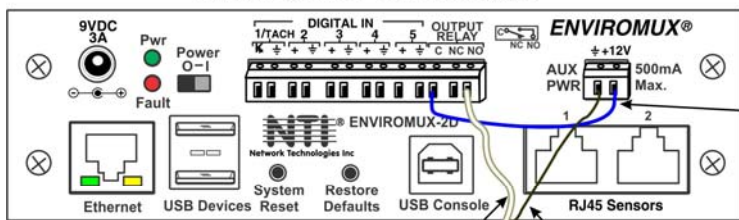
### REAR VIEW OF ENVIROMUX-16D



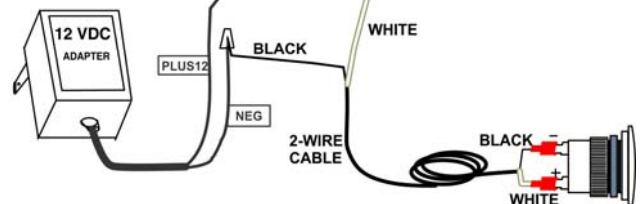
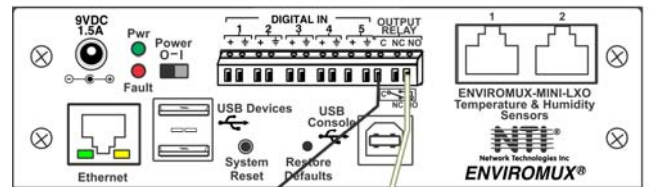
### FRONT VIEW OF ENVIROMUX-5D



### FRONT VIEW OF ENVIROMUX-2D



### FRONT VIEW OF ENVIROMUX-MINI-LXO



Non-Critical Alert Settings	
Disable Alerts	<input type="checkbox"/> Disable alert notifications for this sensor
Alert Delay	15 Sec Duration the sensor must be out of thresholds before alert is generated
Notify Again Time	6 Hr Time after which alert notifications will be sent again
Notify on return to normal	<input checked="" type="checkbox"/> Send a notification when this sensor returns to normal status
Enable Syslog Alerts	<input type="checkbox"/> Send alerts for this sensor via syslog
Enable SNMP Traps	<input type="checkbox"/> Send alerts for this sensor via SNMP traps
Enable E-mail Alerts	<input checked="" type="checkbox"/> Send alerts for this sensor via e-mail
E-mail Subject	Temperature 1 Warning Subject of e-mails sent for alerts
Enable SMS Alerts	<input type="checkbox"/> Send alerts for this sensor via SMS
Enable Siren	<input checked="" type="checkbox"/> Turn on the siren when this sensor goes to alert
Enable Beacon	<input type="checkbox"/> Turn on the beacon when this sensor goes to alert
Associated Output Relay	None Name of the output relay that can be controlled by this sensor
Output Relay status on alert	Inactive Status of the output relay when going to alert
Output Relay status on return from alert	Inactive Status of the output relay when returning from alert

For the ENVIROMUX-16D, on sensor configuration page, place a checkmark in the "Enable Siren" box for any sensor that should activate the piezo when it causes the ENVIROMUX to send an alert.

Figure 1- Sensor configuration page from ENVIROMUX-16D

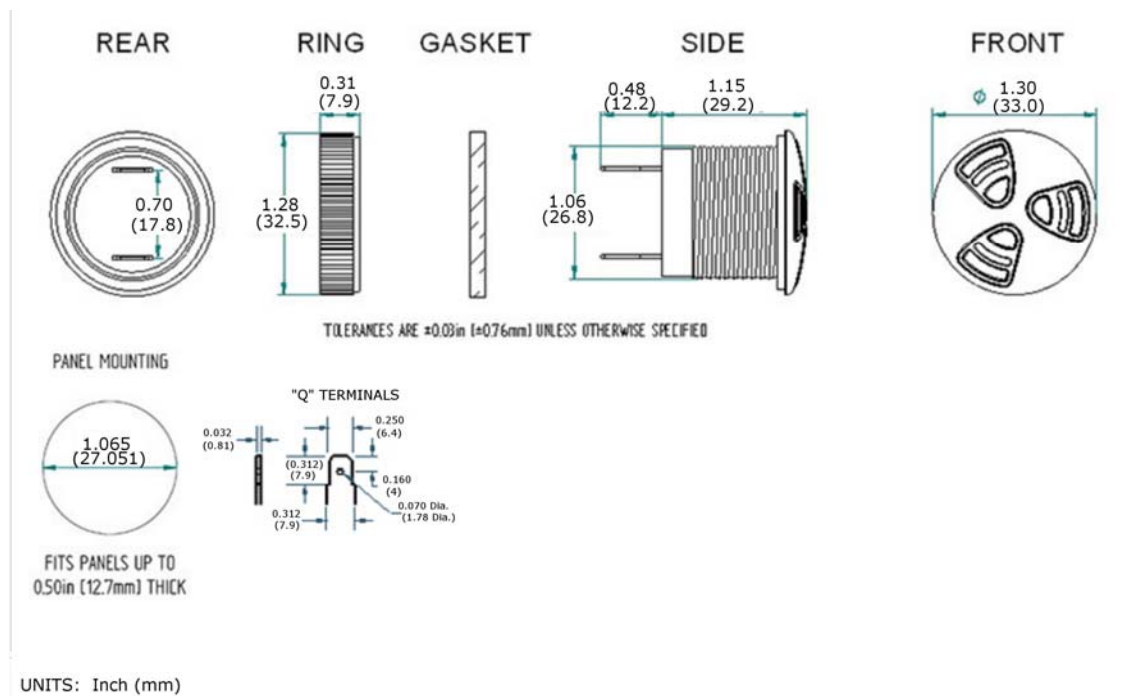
Non-Critical Alert Settings	
Disable Alerts	<input type="checkbox"/> Disable alert notifications for this sensor
Alert Delay	30 Sec Duration the sensor must be out of thresholds before alert is generated
Notify Again Time	30 Min Time after which alert notifications will be sent again
Notify on return to normal	<input checked="" type="checkbox"/> Send a notification when this sensor returns to normal status
Enable Syslog Alerts	<input type="checkbox"/> Send alerts for this sensor via syslog
Enable SNMP Traps	<input type="checkbox"/> Send alerts for this sensor via SNMP traps
Enable E-mail Alerts	<input type="checkbox"/> Send alerts for this sensor via e-mail
E-mail Subject	<input type="text"/> Subject of e-mails sent for alerts
Enable SMS Alerts	<input type="checkbox"/> Send alerts for this sensor via SMS
Associated Output Relay	Output Relay #1 Name of the output relay that can be controlled by this sensor
Output Relay status on alert	Active Status of the output relay when going to alert
Output Relay status on return from alert	Inactive Status of the output relay when returning from alert

For the ENVIROMUX-2D, 5D, or ENVIROMUX-MINI-LXO, on sensor configuration page, make sure the associated output relay isn't "none" and either change the "Output Relay status on alert" to Active (if connected as shown in the drawing) or Inactive (if you connect the piezo wire to the N.C. relay terminal).

Figure 2- Sensor configuration page from ENVIROMUX-2D

## Specifications

Mounting	Panel Mount- 1.065 in. cutout (27.051mm)
Operating Mode	Extra Loud Continuous
Operating Voltage	5-15 Vdc
Operating Frequency	2900±250 Hz
Typical Operating Current	10 mA at 5 Vdc 50 mA at 15 Vdc
Typical Sound Pressure	92±5 dB(A), at 5 Vdc, at 24 inches (61 cm), at 25°C 103±5 dB(A), at 15 Vdc, at 24 inches (61 cm), at 25°C
Termination	Quick Connect Blades
Termination Strength	Pull test with a maximum of 22 pounds (10 kg) load
Operating Temperature	14° to 149°F (-10°C to +65°C)
Storage Temperature	-40° to 185°F (-40°C to +85°C)
Surge Voltage:	20% over maximum rated voltage for less than 5 minutes
Reverse Voltage Protection	To the maximum operating voltage
Construction Materials	Case- Plastic "NORYL® N-190", Flame Retardant UL 94-VO, Black Internal Circuit- Audio-oscillator and piezoelectric driver Potting- 2 parts epoxy resin or silicone, black Diaphragm- Stainless Steel 304
Gasket	Gasket (Included)– 0.125" Thick, 60 Durometer Neoprene
Environmental Durability	ASTM B117 Certified - Withstands exposure to salt spray for 300 hours IP 68 Certified - Withstands water submergence and dust exposure Humidity- 95% relative humidity at +40°C continuously for 100 hours. Vibration- Withstands vibration between 0 and 55 Hz. on all axes.
Regulatory Approvals	RoHS, UL
Life Expectancy	10 years under normal operating conditions.
Dimensions (WxD)	1.3x1.15 in (33x29.2 mm).



## 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.