

HOW TO SETUP SYSLOG

Follow these steps to prepare the ENVIROMUX to send Syslog messages to ENVIROMUX users. This instruction assumes you have Syslog software configured to receive and record messages sent by the ENVIROMUX and know how to use it.

Configure the ENVIROMUX to send alerts via Syslog

1. Configure each sensor that will cause a message to be sent via Syslog to be included in one or more groups.

Group Settings	
Group 1	<input checked="" type="checkbox"/> Sensor sends notifications for Group 1
Group 2	<input type="checkbox"/> Sensor sends notifications for Group 2
Group 3	<input type="checkbox"/> Sensor sends notifications for Group 3
Group 4	<input type="checkbox"/> Sensor sends notifications for Group 4
Group 5	<input type="checkbox"/> Sensor sends notifications for Group 5
Group 6	<input type="checkbox"/> Sensor sends notifications for Group 6
Group 7	<input type="checkbox"/> Sensor sends notifications for Group 7
Group 8	<input type="checkbox"/> Sensor sends notifications for Group 8

Configure which group(s) a sensor will belong to

2. Apply a checkmark in “Enable Syslog Alerts” under Non-Critical Alert Settings and/or Critical Alert Settings on the configuration page for each sensor that will cause Syslog Alerts.

Critical Alert Settings	
Disable Alerts	<input type="checkbox"/> Disable alert notifications for this sensor
Alert Delay	30 <input type="text"/> Sec <input type="button" value="v"/> Duration the sensor must be out of thresholds before alert is generated
Notify Again Time	30 <input type="text"/> Sec <input type="button" value="v"/> 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
Auto acknowledge	<input type="checkbox"/> Automatically acknowledge alert when sensor returns to normal status
Enable Syslog Alerts	<input checked="" 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	Critical Alert <input type="text"/> Subject of e-mails sent for alerts
Select IP Camera	tes2 <input type="button" value="v"/>

Enable Syslog alerts for the sensor

3. Under User configuration, place a checkmark in the group number(s) that the sensors belong to. (These are the groups that you checked off in step 1.)
4. Place a checkmark in the box for Syslog Alerts under Contact Settings so that the user can receive Syslog messages.
5. Enter a valid IP address where the Syslog messages for that user are to be sent.

Group Settings	
Group 1	<input checked="" type="checkbox"/> User receives notifications for Group 1
Group 2	<input type="checkbox"/> User receives notifications for Group 2
Group 3	<input type="checkbox"/> User receives notifications for Group 3
Group 4	<input type="checkbox"/> User receives notifications for Group 4
Group 5	<input type="checkbox"/> User receives notifications for Group 5
Group 6	<input type="checkbox"/> User receives notifications for Group 6
Group 7	<input type="checkbox"/> User receives notifications for Group 7
Group 8	<input type="checkbox"/> User receives notifications for Group 8

Contact Settings	
E-mail Alerts	<input type="checkbox"/> User receives alerts via e-mail
Brief E-mail	<input type="checkbox"/> User receives brief e-mail
E-mail Address	<input type="text"/> E-mail address for the user
Syslog Alerts	<input checked="" type="checkbox"/> User receives alerts via syslog
SNMP Traps	<input type="checkbox"/> User receives alerts via SNMP traps
Syslog/SNMP IP Address	<input type="text"/> IP address where syslog messages/SNMP traps are sent for this user
SMS Alerts	<input type="checkbox"/> User receives alerts via SMS
SMS Number	<input type="text"/> Phone number where SMS messages are sent for this user

Configure user to receive alerts via Syslog

With sensors properly configured to send Syslog messages to specified groups, and Users enabled to receive messages from the same specified groups at a valid IP address, Syslog messages for sensor alerts will now be received.

Configure the ENVIROMUX to send sensor data via Syslog

1. Under Sensor Configuration, Data Logging, place a checkmark under “Add to data log” to have sensor readings added to the log. Set the time period for the frequency at which readings will be added to the data log. Press "Save".

Data Logging

Add to data log Add readings to the data log

Logging Period 10 Sec
Frequency at which readings are added to the data log.

Save

Alert Simulation

Simulate Alert Clear Alert

Configure sensor readings to be added to data log

2. Under Log, Log Settings, place a checkmark under “Enable Syslog Remote Logging”. This will then send all data logs via Syslog message. To receive alerts regarding data logs, place a checkmark under “Enable Syslog Alerts”. Make sure the group numbers are checked that the User is configured to receive Syslog messages from (under Configure User- Group Settings- see **Error! Reference source not found.**).

Log Settings

Event Log Settings

Data Log Settings

Group 1	<input checked="" type="checkbox"/>	Sends notifications for Group 1
Group 2	<input type="checkbox"/>	Sends notifications for Group 2
Group 3	<input type="checkbox"/>	Sends notifications for Group 3
Group 4	<input type="checkbox"/>	Sends notifications for Group 4
Group 5	<input type="checkbox"/>	Sends notifications for Group 5
Group 6	<input type="checkbox"/>	Sends notifications for Group 6
Group 7	<input type="checkbox"/>	Sends notifications for Group 7
Group 8	<input type="checkbox"/>	Sends notifications for Group 8

Overflow Action **Wrap**
Choose the action to take when the data log overflows

Enable Syslog Alerts When data log reaches 90% of capacity, send alerts via syslog

Enable SNMP Traps When data log reaches 90% of capacity, send alerts via SNMP traps

Enable E-mail Alerts When data log reaches 90% of capacity, send alerts via e-mail

Enable Syslog Remote Logging Send data log entries via Syslog messages

Enable SNMP Remote Logging Send data log entries via SNMP Traps

Enable E-mail Remote Logging Send data log entries via e-mail

Log To USB Flash Settings

Save

Configure data logs to send Syslog messages

Record Syslog data using Server-based Software

Some systems (for example exacqVision) have the capability to record ASCII data received on a port number over TCP/IP. The ENVIROMUX can be configured to send alert messages directly to their monitoring system by entering the IP address of the Syslog server (like exacqVision) and configuring the server to receive the information from the assigned ENVIROMUX port. The messages will be sent from UDP port 514).

Using a data logging and reporting system in this manner allows you to integrate other systems in concert with the ENVIROMUX.

Simply configure the logging and reporting system to receive the messages in the format provided by the ENVIROMUX:

Note: The below field descriptions are language specific.

<<Message_Facility + 16 * 8 + Severity (6)>><Time Stamp> <Hostname or IP Address> <Device Model> TIME:
<time stamp in local format>

ENTERPRISE: <Device Name>
LOCATION: <Device Location>
BRANCH: <Device Branch>
RACK: <Device Rack Name>
GROUPS: <Contact Group for Syslog>
DESCRIPTION: <Sensor Name>
TIME:<Timestamp in local format>
TYPE: <Sensor Type>
VALUE:<Sensor Value with Units>

Example:

<134>Dec 16 11:51:50 192.168.3.80 ENVIROMUX-16D TIME: 12-16-2019 11:51:50 AM

ENTERPRISE: E-16D E100
LOCATION: NTI
BRANCH: Engineering
RACK: B17A
GROUPS: Logs
DESCRIPTION: E-16D E100 Temperature 1 (Lower Bench)
TIME:12-16-2019 11:51:50 AM
TYPE: Temperature Combo
VALUE:69.2F

For the complete E-xD product manual with all features and functions, click [here](#).