

How to send SMS messages to 18-34 individuals with an ENVIROMUX Enterprise Environment Monitoring System

Sometimes there are circumstances where more than 17 people need to be made aware of alert messages sent from the ENVIROMUX Enterprise Environment Monitoring System. The maximum number of users that can be configured, including the user "root", is 17. In order to get messages to more than 17, we need to use the text messaging gateway of your phone's service provider.

Text messages (SMS) can be sent to a telephone from an email program by entering the person's 10-digit phone number as the email address with the service provider's gateway indicated after the @ (i.e. 3305551212@vtext.com) (Verizon gateway used as the example). Any message sent to this address will show up as a text message on the recipient's phone.

For a list of some of the SMS gateways available internationally, go to <http://mfitzp.io/list-of-email-to-sms-gateways/>.

By entering one user's phone number in the email address block, and another person's phone number in the SMS message block, both people can receive an alert message about the same event (provide the sensor is configured to send messages in both formats). Using this method, up to 34 different people can receive alert messages.

Configure User

The screenshot shows the 'Configure User' interface with several sections: Account Settings, Group Settings, LDAP Account Settings, and Contact Settings. The Contact Settings section is expanded, showing various alert options. Callouts point to specific settings:

- E-mail Alerts:** User receives alerts via e-mail. Callout: **Must be checked to send e-mail**
- Brief E-mail:** User receives brief e-mail. Callout: **For a message with a minimum number of characters, check this**
- E-mail Address:** E-mail address for the user. Callout: **Phone number for 1 individual**
- SMS Alerts:** User receives alerts via SMS. Callout: **Must be checked to send SMS**
- SMS Number:** Phone number where SMS messages are sent for this user. Callout: **Phone number for a different individual**

Other visible settings include Syslog Alerts (checked), Syslog Facility (Local.0), and SNMP Traps (checked). A 'Save' button is located at the bottom left.

Make sure each sensor configuration that should include the sending of alert messages is configured to send the email messages and SMS messages:

⊕ Group Settings	
⊕ Schedule Settings	
⊕ Non-Critical Alert Settings	
[-] 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	6 <input type="text"/> Hr <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 checked="" 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 checked="" 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	E-16D-M Temperature 1 Subject of e-mails sent for alerts
Select IP Camera	Trendnet TV-IP672PI <input type="button" value="v"/> Select IP camera for image capture on alert
Attach IP camera capture to e-mail	<input type="checkbox"/> Attach captured image from selected IP camera to alert e-mail
Save image to USB	<input type="checkbox"/> Save captured image from selected IP camera to USB Flash
Enable SMS Alerts	<input checked="" type="checkbox"/> Send alerts for this sensor via SMS
Send custom SMS	<input type="checkbox"/> Replace standard SMS with a customized message
Customized SMS	<input type="text"/> Customized SMS message sent for alerts
Enable Siren	<input 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	E-16D-M Output Relay 1 <input type="button" value="v"/> Name of the output relay that can be controlled by this sensor
Output Relay status on alert	Active <input type="button" value="v"/> Status of the output relay when going to alert
Output Relay status on return from alert	Inactive <input type="button" value="v"/> Status of the output relay when returning from alert

Must be enabled to send e-mail alerts

Must be enabled to send SMS alerts

Also make sure the configured sensor belongs to a group.....

E-16D-M Temperature 1 Configuration (Type: Temperature/Humidity)

Sensor Settings	
Description	E-16D-M Temperature 1 Descriptive name for the sensor
Units	Deg. F Select the units for the sensor
Min. Level	-4.0 Min. supported value for the sensor
Max. Level	167.0 Max. supported value for the sensor
Min. Non-Critical Threshold	60.0 Min. threshold below which indicates a non-critical alert condition
Max. Non-Critical Threshold	90.0 Max. threshold above which indicates a non-critical alert condition
Min. Critical Threshold	45.0 Min. threshold below which indicates an alert condition
Max. Critical Threshold	95.0 Max. threshold above which indicates an alert condition
Refresh Rate	1 Min The refresh rate at which the sensor view is updated

Group Settings	
Logs	<input type="checkbox"/> Sensor sends notifications for Group 1
Internal Sensors	<input type="checkbox"/> Sensor sends notifications for Group 2
External Sensors	<input checked="" type="checkbox"/> Sensor sends notifications for Group 3
Digital Inputs	<input type="checkbox"/> Sensor sends notifications for Group 4
IP Devices	<input type="checkbox"/> Sensor sends notifications for Group 5
IP Sensors	<input type="checkbox"/> Sensor sends notifications for Group 6
Output Relays	<input type="checkbox"/> Sensor sends notifications for Group 7
Power Supplies	<input type="checkbox"/> Sensor sends notifications for Group 8

Sensor belongs to Group 3

.... and that the user(s) are configured to receive notifications from that group

Configure User

Account Settings	
Group Settings	
Logs	<input checked="" type="checkbox"/> User receives notifications for Group 1
Internal Sensors	<input checked="" type="checkbox"/> User receives notifications for Group 2
External Sensors	<input checked="" type="checkbox"/> User receives notifications for Group 3
Digital Inputs	<input checked="" type="checkbox"/> User receives notifications for Group 4
IP Devices	<input checked="" type="checkbox"/> User receives notifications for Group 5
IP Sensors	<input checked="" type="checkbox"/> User receives notifications for Group 6
Output Relays	<input checked="" type="checkbox"/> User receives notifications for Group 7
Power Supplies	<input checked="" type="checkbox"/> User receives notifications for Group 8

User will receive notifications from sensors in Group 3