# E-LTA-RYG

**LED Light Tower with Buzzer Alarm**

**Guide for Installation with an ENVIROMUX**

**Enterprise Environment Monitoring System**

E-LTA-RYG is an LED Light Tower with Buzzer Alarm to provide audible and visual indication of alert when configured to respond to variations in a sensor's readings.   Operating on 12VDC, the E-LTA-RYG can be controlled and powered by an E-16D Enterprise Environment Monitoring System (SYSTEM).  It can also be controlled by an E-2D/E-5D when used in conjunction with an E-DI16DOR16-V2  Digital Input/Output Expander.

Follow the wiring diagrams on page 2 to connect the E-LTA-RYG to a SYSTEM and then configure the SYSTEM to power the light tower as part of an alert response to provide users with audible and visible indication of alert.  An example of that configuration can be found on page 3.

- LED Light Tower with red, yellow, green lenses provides visual signal for normal, warning, and critical alert status.
- Light Mode: Steady
  - Use the ENVIROMUX web interface to program the LEDs to flash (coming soon).
- LED brightness:
  - Red LED: 120 lumen
  - Yellow LED: 120 lumen
  - Green LED: 120 lumen
- Integrated buzzer alarm emits a loud continuous tone to alert personnel.
  - Piezo siren output level: 85 dB at 3.28 feet (1 meter).
- 7-wire interface.
  - Interfaces with the E-2D/5D/16D Enterprise Environment Monitoring Systems.
    - For E-16D, directly connect to the output relays.
    - For E-2D and E-5D, requires E-DI16DOR16-V2 Digital Input/Output Expander.
- IP53-rated water and dust protection.
- Mounting: Fixed base.
- Cable length: 2.04 ft (0.62 m)- extend up to 40ft with minimum 24AWG cable.
- Operating temperature: -4 to 113°F (-20 to 45°C)
- Dimensions (WxH): 1.96x15.56 in (50x395 mm)
- Input voltage: 12 VDC
- Current consumption: 0.25A (max) @ 12VDC
  - Red LED: 30mA
  - Yellow LED: 60mA
  - Green LED: 80mA
  - Siren: 20mA
- Powered by E-2D/5D/16D.
- MTBF: 50,000 hours
- Regulatory approvals: CE, RoHS
- Ideal for mounting on top of server cabinets, or use in manufacturing plants, assembly lines, call stations, broadcast studios, and factories.

## Materials Included in Package:

- 1 x LED Light Tower
- 1 x Supporting Pole
- 1 x Base
- 1 x URL slip with path to User Manual

**Figure 1- Wiring directly to E-16D**



**Figure 2- Wiring to E-5D or E-2D through E-DI16DOR16-V2**

## E-16DEL-1 STHS-99 Port 1 Temperature Configuration (Type: Temperature/Humidity)

⊞ **Sensor Settings**

⊞ **Group Settings**

⊞ **Schedule Settings**

⊞ **Non-Critical Alert Settings**

⊟ **Critical Alert Settings**

**Disable Alerts** ☐
Disable alert notifications for this sensor

**Alert Delay** `20` `Sec ▾`
Duration the sensor must be out of thresholds before alert is generated

**Notify Again Time** `4` `Hr ▾`
Time after which alert notifications will be sent again

**Notify on return to normal** ☑
Send a notification when this sensor returns to normal status

**Auto acknowledge** ☑
Automatically acknowledge alert when sensor returns to normal status

**Enable Syslog Alerts** ☑
Send alerts for this sensor via syslog

**Enable SNMP Traps** ☑
Send alerts for this sensor via SNMP traps

**Enable E-mail Alerts** ☑
Send alerts for this sensor via e-mail

**E-mail Subject** `E-16DEL-1 STHS-99 Port 1 Temperature Alert`
Subject of e-mails sent for alerts

**Select IP Camera** `Wanscam HW0041-1 ▾`
Select IP camera for image capture on alert

**Attach IP camera capture to e-mail** ☐
Attach captured image from selected IP camera to alert e-mail

**Save image to USB** ☐
Save captured image from selected IP camera to USB Flash

**Enable SMS Alerts** ☐
Send alerts for this sensor via SMS

**Send custom SMS** ☐
Replace standard SMS with a customized message

**Customized SMS** ` `
Customized SMS message sent for alerts

**Enable Siren** ☐
Turn on the siren when this sensor goes to alert

**Enable Beacon** ☐
Turn on the beacon when this sensor goes to alert

**Associated Output Relay** `16DEL-1 Output Relay 1 ▾`
Name of the output relay that can be controlled by this sensor

> Assign an output relay to be Active/Inactive when a sensor goes into alert.
>
> The E-16D includes 4 onboard relays. Each can be controlled independently.

**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

⊞ **Data Logging**

`Save`

**Alert Simulation**

`Simulate Alert` `Clear Alert`

**Figure 3- Sensor configuration page from E-16D**

## Digital Input Configuration

**Digital Input Settings**

**Group Settings**

**Schedule Settings**

**Alert Settings**

| | | |
|---|---|---|
| **Disable Alerts** | ☐ | Disable alert notifications for this digital input |
| **Alert Delay** | 2  Sec ▼ | Duration the digital input must be out of normal status before alert is generated |
| **Notify Again Time** | 30  Min ▼ | Time after which alert notifications will be sent again |
| **Notify on return to normal** | ☑ | Send a notification when this digital input returns to normal status |
| **Auto acknowledge** | ☑ | Automatically acknowledge alert when digital input returns to normal status |
| **Enable Syslog Alerts** | ☑ | Send alerts for this digital input via syslog |
| **Enable SNMP Traps** | ☑ | Send alerts for this digital input via SNMP traps |
| **Enable E-mail Alerts** | ☑ | Send alerts for this digital input via e-mail |
| **E-mail Subject** | E-5D E02 Water Sensor Alert | Subject of e-mails sent for alerts |
| **Select IP Camera** | None Available ▼ | Select IP camera for image capture on alert |
| **Attach IP camera capture to e-mail** | ☐ | Attach captured image from selected IP camera to alert e-mail |
| **Save image to USB** | ☐ | Save captured image from selected IP camera to USB Flash |
| **Enable SMS Alerts** | ☐ | Send alerts for this digital input via SMS |
| **Send custom SMS** | ☐ | Replace standard SMS with a customized message |
| **Customized SMS** | | Customized SMS message sent for alerts |
| **Enable Siren/Beacon alarm** | ☐ | Turn on the siren/beacon alarm when digital input goes to alert |

| **Associated Output Relay** | None ▼ | can be controlled by this digital input |
|---|---|---|

None
E-5D E02 Output Relay 1
E-5D E02 Output Relay 2
Conn #3 Output Relay #1
Conn #3 Output Relay #2
Conn #3 Output Relay #3
Conn #3 Output Relay #4
Conn #3 Output Relay #5
Conn #3 Output Relay #6
Conn #3 Output Relay #7
Conn #3 Output Relay #8
Conn #3 Output Relay #9
Conn #3 Output Relay #10
Conn #3 Output Relay #11
Conn #3 Output Relay #12
Conn #3 Output Relay #13
Conn #3 Output Relay #14
Conn #3 Output Relay #15
Conn #3 Output Relay #16

**Output Relay status on alert** ... n going to alert

**Output Relay status on return from alert** ... n returning from alert

**Change Global Alert Status on triggering this sensor**

**Data Logging**

[ Save ]

> **For the E-2D,E-5D, on sensor configuration page, make sure the associated output relay isn't "none" and either change the "Output Relay status on alert" to Active or Inactive**

**Alert Simulation**

[ Simulate Alert ] [ Clear Alert ]

**Figure 4- Sensor configuration page from E-5D**

4

## Smart Alert #1 Configuration

**Description**

| Description | Smart Alert #1 |
|---|---|
| | Descriptive name for the Smart Alert |

**⊞ OR Events**

**⊟ OR Sensors**

None

| Available sensors: | None ⌄ | Add |
|---|---|---|

**⊟ AND Events**

None

| Available events: | None ⌄ | Add |
|---|---|---|

**⊞ AND Sensors**

**⊟ Smart Alert Configuration**

| Logical Function | OR ⌄ |
|---|---|
| | Logical function to be applied to OR and AND lists above |
| Delay | 30 | Sec ⌄ |
| | Duration the logical function should be active before the Smart Alert is triggered |
| Return Delay | 30 | Sec ⌄ |
| | Duration the logical function should be inactive before the Smart Alert is cleared |

**⊞ Group Settings**

**⊞ Smart Alert Notifications**

**⊟ Smart Alert Command**

| Associated Output Relay | None ⌄ |
|---|---|
| | Which Output Relay should be associated with this smart alert |
| Output Relay status on alert | Inactive ⌄ |
| | On alert, set the Output Relay state to this |
| Output Relay status on return from alert | Inactive ⌄ |
| | On return to normal, set the Output Relay state to this |

**⊞ Remote SSH Commands**

Save

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Setup a combination of sensor alerts and/or events that will cause a relay to change state.   Many combinations to choose from.
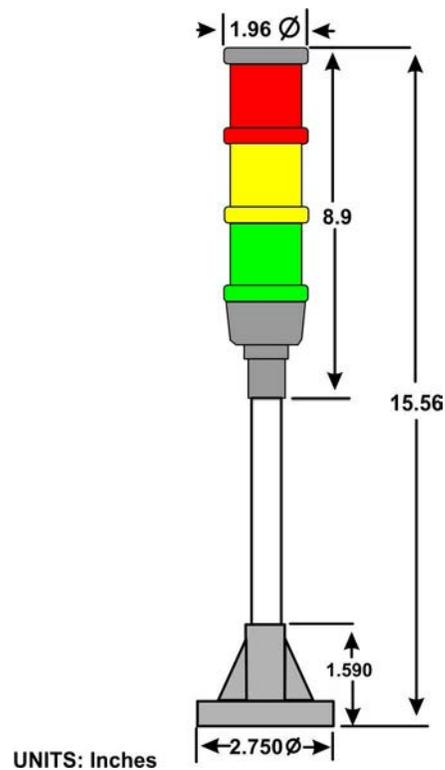
**Figure 5- Smart alert configuration**

For detailed instruction on setting up alerts and smart alerts, see the ENVIROMUX E-16D/5D/2D Enterprise Environment Monitoring System manual at
https://www.networktechinc.com/pdf/man154.pdf   .

## Product and Safety Notes

- Product should be installed and serviced in accordance with applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source and circuit breakers are switched off before performing any installation or wiring procedures.
- Avoid looking directly into lamp when illuminated.
- Ensure all mounts are securely attached and will support the weight of the fixture. Failure to properly support fixture may result in damage or injury, for which the manufacturer does not assume responsibility.

## Specifications

| | |
|---|---|
| Colors | Red, Yellow, Green |
| Mounting | Fixed flange base |
| Material | Polycarbonate |
| Operating Voltage | 12 Vdc |
| Maximum Power Consumption | 3W |
| Typical Sound Pressure @ 1M | 85 dB |
| Termination | 7-wires (see wiring diagram) |
| Cable length | 24.5 in (622.3 mm)- Can extend up to 40ft with min. 24AWG cable |
| Rated Life | 50,000 hours |
| LED Brightness | 120 lumens (red, yellow and green) |
| Dimensions (Diameter x height) | 1.96 x 15.56 in (49.78 x 395.29 mm) |
| Supporting pole height | 7.00 In. (177.8 mm) |
| Certification | RoHS, CE |



UNITS: Inches

## 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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