OMNI™ NOTIFIER
Cat. No. 20A30-1

LEVITON®

DI-000-20A30-00A

INSTALLATION

ENGLISH

WARNINGS AND CAUTIONS

- **WARNING: TO AVOID SERIOUS PERSONAL INJURY OR DEATH, DO NOT:**
  - Push objects of any kind into this product through openings, as they may touch dangerous voltages.
  - Touch uninsulated wires or terminals unless the wiring has been disconnected at the network interface.
- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Never install communications wiring or components during a lightning storm.
- Never install communications components in wet locations unless the components are designed specifically for use in wet locations.
- Use caution when installing or modifying communications wiring or components.
- SAVE THESE INSTRUCTIONS.

Description

The Leviton Omni Notifier enables a Leviton automation controller (Omni LTe, Omni IIe, OmniPro II, Lumina, and Lumina Pro) to send email notifications. When an event occurs, the Leviton automation system can be configured to send automatically generated system messages or custom messages to up to eight pre-defined email addresses. It also has the ability to sync the current time with an Internet time server and then update the time in the automation controller.

Installation

1. Remove the two 6-32 x 1/4 Phillips screws marked "A" in **Figure 1**. Retain screws for future step.
2. Install the two supplied 6-32 x 1/2 male/female Hex spacers in holes where screws were removed, marked "B" in **Figure 2**.
3. Place Omni Notifier board on top of the controller. Line up mounting holes marked "C" with Hex spacers marked "B" in **Figure 2**.
4. Reinstall the two 6-32 x 1/4 Phillips screws through mounting holes "C" in Notifier into Hex spacers "B" on controller in **Figure 2**.
5. Connect one end of the supplied 6-conductor modular cable to the RJ-25 jack on the Omni Notifier board marked "D" if **Figure 2**. Connect the opposite end of the supplied 6-conductor modular cable to one on the built-in serial ports (Serial 2 – Serial 5) on the automation controller. **Note:** Serial 1 cannot be used.
6. Connect one end of a network patch cable to the RJ-45 jack on the Omni Notifier board marked "E" in **Figure 2**. Connect the opposite end of the network patch cable to a DHCP enabled network router, switch, or hub that is on the same local network as the automation controller.
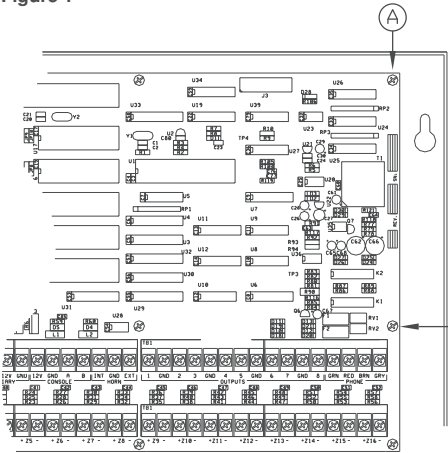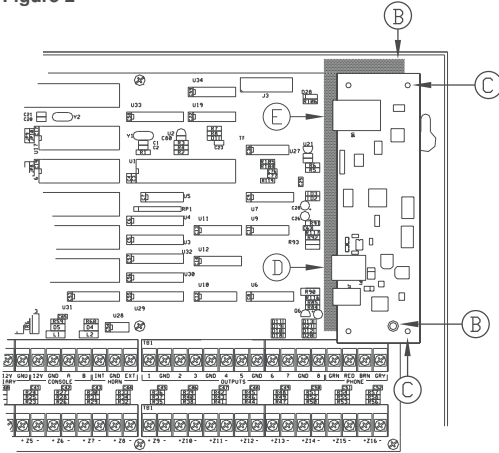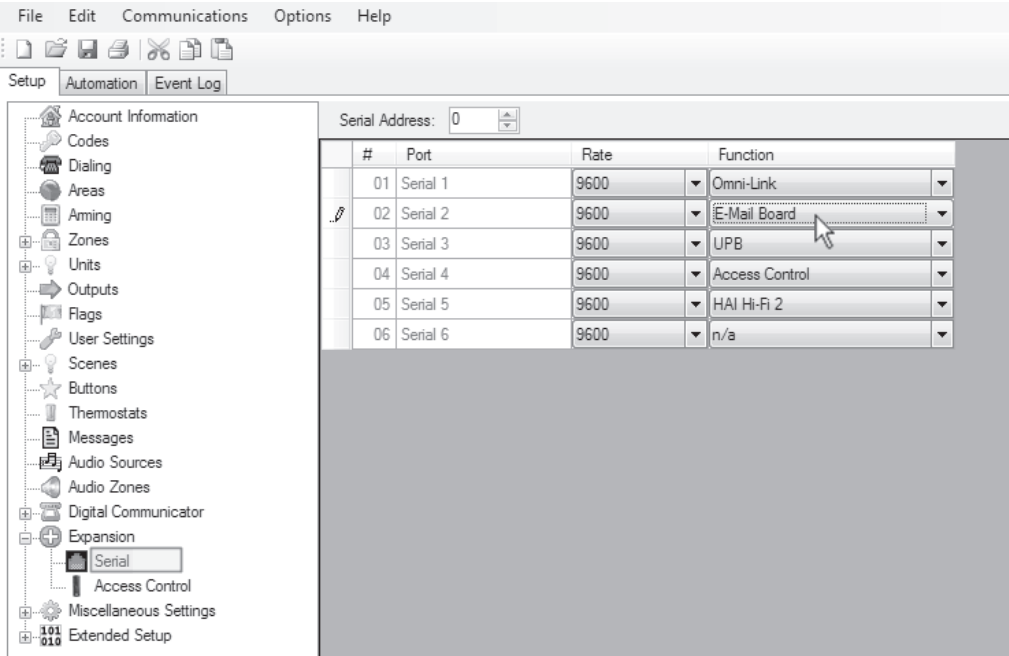7. Ensure that the automation controller is running firmware Version 3.13 or later.
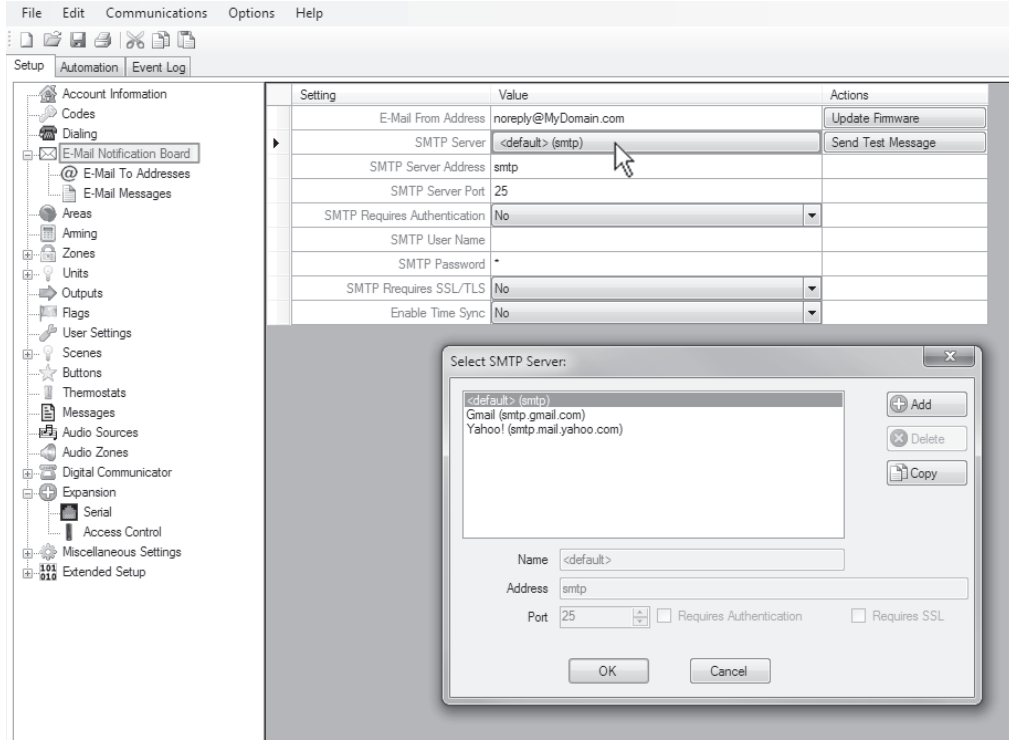
Figure 1

Figure 2

Configuring the Omni Notifier

The following items must be configured in the PC Access software so that the Omni Notifier can communicate with the automation controller:

1. **Configure the built-in serial port on the automation controller.** Open the PC Access software and highlight "Serial" under "Expansion". Change the "Function" of the respective serial port (Serial 2 – Serial 5) to "E-Mail Board". The corresponding interface jumper (JP2-JP5) must be in the "232" position.
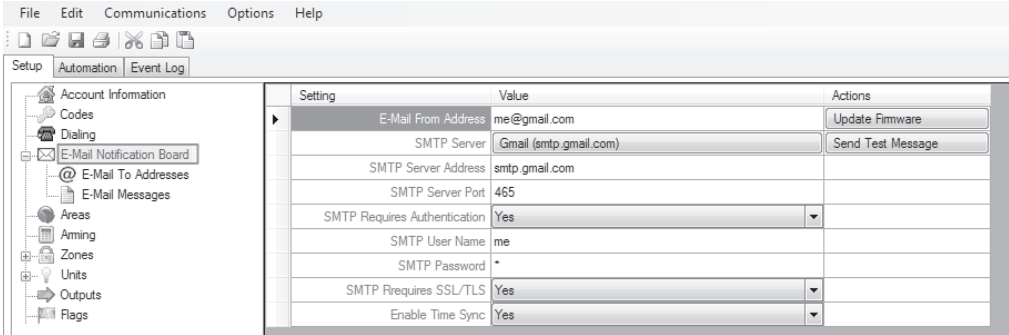

2. **Select the SMTP Server.** Highlight "E-Mail Notification Board" to display the email configuration settings. Click the "SMTP Server" button to display the "Select SMTP Server" dialog. This dialog is used to select/configure the SMTP server that will be used to send email. Highlight one of the pre-defined SMTP servers from the list and click the "OK" button to select the SMTP server. If your SMTP server isn't in the pre-defined list, click the "Add" button to add a new SMTP server **(see Step 4)**.
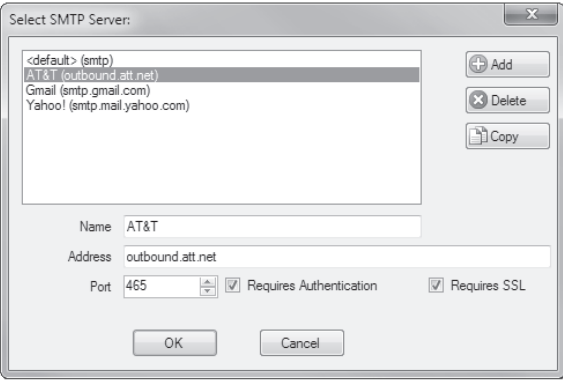

3. **Configure the SMTP Server.**
   a. E-Mail From Address: enter the email address that is associated with the email account that is being used.
   b. SMTP User Name: enter the user name that is used to access the email account.
   c. SMTP Password: enter the password that is used to access the email account.
   d. Enable Time Sync: select "Yes" to enable or "No" to disable the time sync feature (used to update the time in the automation controller).
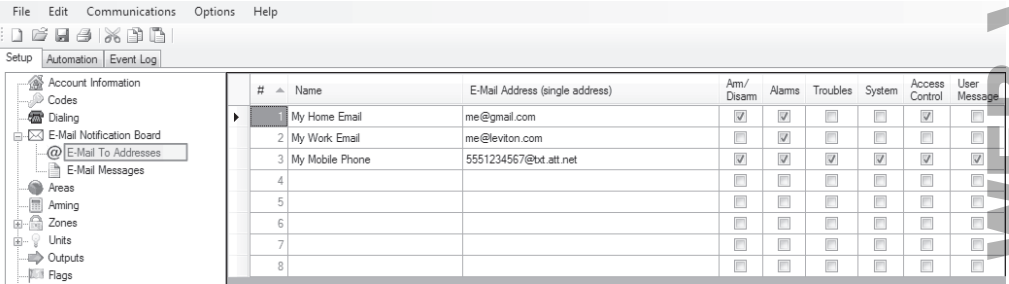

4. **Add a new SMTP Server.**
   a. Name: give a name to the SMTP server that is being used.
   b. Address: specify the SMTP address that is used to send email.
   c. Port: specify the port that the SMTP server uses to send email.
   d. Requires Authentication: check this box if the SMTP server requires authentication to send email.
   e. Requires SSL: check this box if the SMTP server requires SSL or TLS encryption to send email.
   f. OK: save the settings and select the highlighted SMTP server.

5. **Add email addresses.** Highlight "E-Mail To Addresses" to display the available email addresses where email can be sent. Add each email address in the column entitled "E-Mail Addresses" and give a name (description) to each email address, so that it can be easily identified, in the column entitled "Name". Up to 8 different email addresses may be added. Each email address may be configured to automatically receive an email when the selected event occurs. Select which events will automatically generate an email by putting a check in boxes for each email address.

The following events may be selected:

Arm/Disarm: When the security system is armed (any mode) or disarmed, or any zone is bypassed, restored, auto bypassed, or shutdown.

Alarm: When any type of alarm occurs (e.g. burglary, fire, duress, water, temperature, etc.), the alarm is reset, or a zone trips the alarm.

Troubles: When a system trouble occurs (e.g. zone trouble, phone line dead, battery low, etc.) or a trouble is restored

System: When a system event occurs (e.g. system reset, PC Access, remote lockout, remote phone access, etc.).

Access Control: When an access control event occurs (e.g. door locked, door unlocked, access granted, access denied, etc.).

User Message: When a user message is logged into the event log.

Sending Email Messages to a Mobile Device

Most mobile phone service providers have an email address that corresponds to the mobile phone number. This allows email to be sent to a mobile device, which is typically delivered to the device in the form of a text message.

Please Note:

a) Each mobile device and provider responds differently, so each device should be tested for the desired result.

b) Standard messaging rates will apply to the recipient of the email on a mobile device.

The following are examples of the email address format for some mobile phone service providers:

AT&T: 10-digit wireless phone number - followed by: @txt.att.net (e.g. 5551234567@txt.att.net)

T-Mobile: 10-digit wireless phone number - followed by: @tmomail.net (e.g. 5551234567@tmomail.net)

Verizon: 10-digit wireless phone number - followed by: @vtext.com (e.g. 5551234567@vtext.com)

Sprint: 10-digit wireless phone number - followed by: @messaging.sprintpcs.com (e.g. 5551234567@messaging.sprintpcs.com)
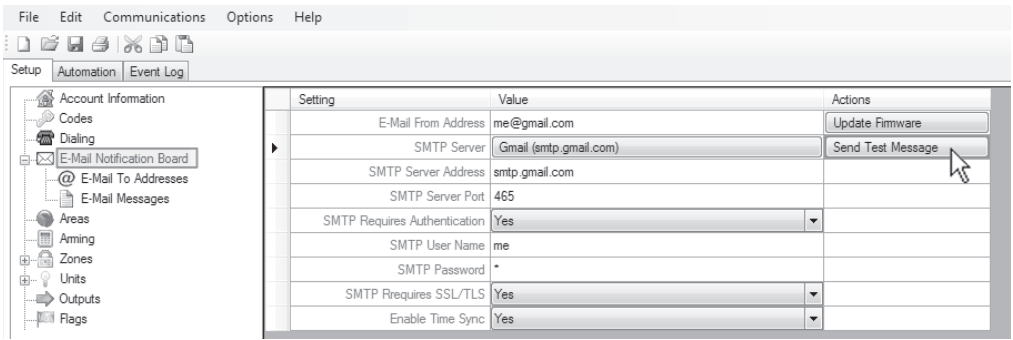
6. Create custom messages. Highlight "E-Mail Messages" to display the available custom email messages. Create custom email messages (each up to 100 characters in length) that can be emailed when a specified system event occurs, using automation programming. Up to 100 custom messages total may be added.

7. Write the configuration to the controller. After all of the items have been configured, the configuration must be written to the controller as follows:

a. Connect to the controller.

b. Select "Communications" on the main menu and then select "Write to Controller".

c. Check the "E-Mail Board Setup" check box (notice that Controller Setup will also be written).

d. Click the "OK" button to write the configuration.

8. Test the email settings. After the configuration has been written to the controller, the email settings should be tested to ensure proper configuration and communications. Due to the nature of SMTP, communications must be verified by checking for sent messages to the recipient's email account.

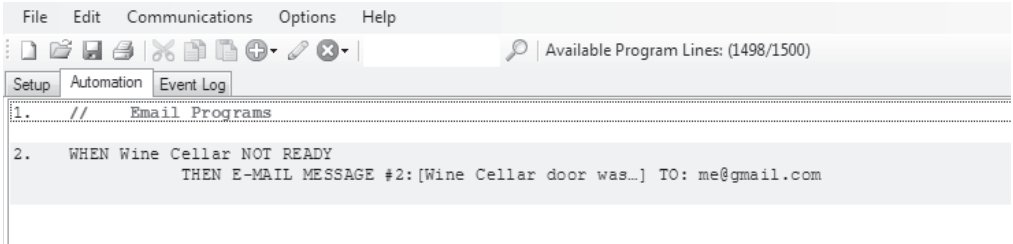a) Highlight "E-Mail Notification Board" and click the "Send Test Message" button.

b) Select email address where the test email will be sent by putting a check in the check box next to the email address (multiple email address can be selected). Note that each configured email address should be tested and verified.

c) Select the email message that will be sent from the list of pre-defined custom messages and click "OK".

Note: When testing the Omni Notifier, please be aware that some email service providers restrict the number of emails that are allowed from one source in a short period of time. This restriction is in place to reduce SPAM; however, it can also result in communication delays during heavy testing. During normal use, these restrictions should not affect performance.

9. Create automation programming to send custom email messages. Using PC Access, create automation programs that send custom email messages when a system event occurs.

For example, the following program is used to send an email notification when the wine cellar door is opened:
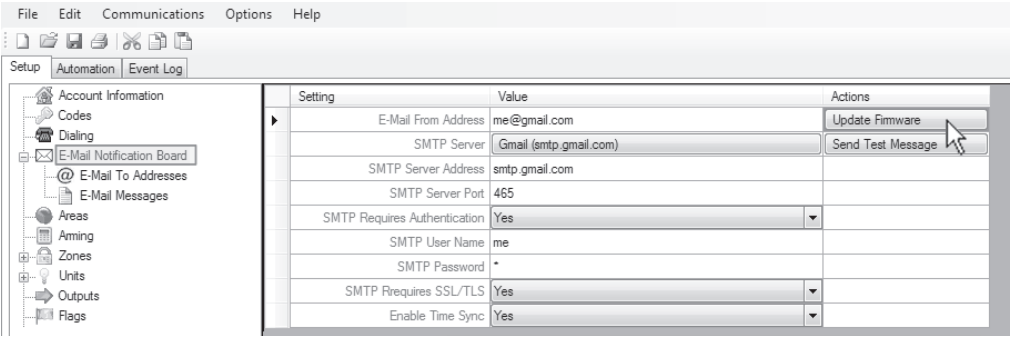

a. Connect to the controller.

b. Select "Communications" on the main menu and then select "Write to Controller".

c. Check the "Programs" check box.

d. Click the "OK" button to write the configuration.

Updating the Omni Notifier

If there is a firmware update for the Omni Notifier, the firmware can be updated as follows:

1) Highlight "E-Mail Notification Board" and click the "Update Firmware" button.

2) Select the firmware update file and click the "Open" button.

3) Follow the instructions on the screen.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

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