

Quick Installation Guide

Refer to the LTEM-P Series Installation and Setup Guide R800-26394 dated 10/20 or later for additional information.

General Information and Component Identification

Congratulations on your purchase of Resideo's LTEM-PV/LTEM-PA communicator. These communicators send alarms and messages from the security system's control panel to AlarmNet® for subsequent transfer to the central monitoring station. Other features include the following:

- The communicators provide upload/downloading capability of Resideo's control panel programming data. Refer to the *Installation and Setup Guide* for the use of these features.
- These communicators also support optional Plug-In Modules, including PROLTE series LTE radio modules, PROWIFIZW and PROWIFI Wi-Fi modules, and PRODCM Dialer Capture module.
- In addition, these communicators can be used with compatible non-VISTA/non-Resideo control panels. Refer to the Installation Supplement (R800-26807) for more information on this usage.
- The LTEM-PV and LTEM-PA are referred to herein as LTEM-P, or the communicator or communication module.

This guide addresses a simple installation using stand-alone configuration (no plug-in modules), Internet connection via Ethernet cable, default programming values where possible, and is applicable for most installations. For detailed information on features and options and configuration of remote services, please refer to the *Installation and Setup Guide* for the product.

Please note the following:

- The communicator requires an AlarmNet 360 account. For new installations, please obtain the account information from the central station prior to programming.
- For control panels that support ECP, the control panel treats the communicator as an ECP device, so make sure to program the control panel with the communicator's device address. Refer to the control panel's *Installation and Setup Guide* for details.

Remote Services

Resideo offers secure web-based services that enable users to remotely monitor and control their security system. These web services enable users t

4. Program and Register the Communicator

You can quickly program and register the communicator by using the AlarmNet 360 website. In addition, after you program the communicator, you can register it by using the Test switch. If you are not signed up for this service, click on "Dealer Signup" from the login screen to create an account.

Have the following information ready:

- Primary City ID (two digits), obtained from your monitoring station.
- Primary Central Station ID (two digits), obtained from your monitoring station.
- Primary Subscriber ID (four digits), obtained from your monitoring station.
- Communicator's MAC ID and MAC CRC number located on the box and inside the communicator.

Program the Communicator (using the AlarmNet 360 website)

Log in and complete the communicator programming using the "Program New Account" page. (Refer to the online help if needed.)

When complete you may register the communicator or log out of the AlarmNet 360 website.

LED Status Table

| LED | DESCRIPTION |
|--|---|
| REG (green) | ON Module is NOT registered with AlarmNet |
| | OFF Module is registered with AlarmNet |
| | FAST BLINK Download session with Compass in progress |
| STATUS (yellow) | PERIODIC BLINK Normal (Indicates Power On*) |
| | FAST BLINK Cannot deliver alarms |
| | SLOW BLINK Idle power abnormal |
| FAULT (red) | ON No contact with the cell network |
| | OFF Normal |
| | FAST BLINK No cell network contact AND loss of communication with the panel (ECP fault) |
| CELL (green) | SLOW BLINK Loss of communication with the panel (ECP fault) |
| | ON Minimum required signal quality is present |
| | OFF Cell not enabled |
| WI-FI / ETHERNET (green) | FAST BLINK Signal quality is poor |
| | Wi-Fi CONNECTION (if used) |
| | ON Communicator connected to Internet via Wi-Fi |
| TOP THREE - REG - STATUS - FAULT | OFF Wi-Fi not enabled |
| | FAST BLINK Wi-Fi enabled, no connection to Internet |
| | ETHERNET CONNECTION (if used) |
| TOP FOUR - REG - STATUS - FAULT - CELL | ON Communicator connected to Internet via Ethernet |
| | OFF Ethernet not enabled |
| | FAST BLINK Ethernet enabled, no connection to Internet |
| ALL FIVE LEDs - REG - STATUS - FAULT - CELL - WI-FI / - ETHERNET | FAST BLINK Firmware over-the-air (OTA) download in progress |
| | IN UNISON |
| | FAST BLINK Cell module firmware OTA update in progress |
| LEDs 1, 3, & 5 - REG - FAULT - WI-FI | IN UNISON |
| | FAST BLINK SIM card not present or puk locked |
| | IN SEQUENCE Power up sequence |
| LEDs 1, 3, & 5 - REG - FAULT - WI-FI | FAST BLINK Unit is in Pairing mode (connecting to smart device via Bluetooth) |
| | IN UNISON |
| | FAST BLINK |

*Power On Indication: If AC is present, Status (yellow) LED blinks periodically. If on battery power only for longer than 5 minutes (AC loss), the LEDs turn off, then blink once per minute in a random pattern.

Power Adapter Off (Battery Power Only): LEDs 2, 4, & 5 - STATUS (yellow), CELL (green), WI-FI (green) Fast Blink in Unison every 25 – 45 seconds.

Compliance


UL1610 Central-Station Burglar-Alarm Units
 UL1023 Household Burglar-Alarm System Units
 UL365 Police Station Connected Burglar Alarm Units and Systems
 CAN/ULC-S304 Control Units, Accessories and Receiving Equipment for Intrusion Alarm System

Specifications

| | | | | | |
|------------------------|--|------------|------------|-------------|-------------|
| Input Power | 9VDC, 2.5A from 102-132VAC, 60Hz, 0.6A Power Adapter (Resideo # 300-04705V1) | | | | |
| Current Drain | Max current with all plug-in modules: 515mA See Installation & Setup Guide (R800-26394) for additional details. | | | | |
| Backup Battery | 4V, 6.5AH, (Resideo # R300-11454) | | | | |
| Data Rate | 10Base-T (10Mbps) / 100Base-T (100Mbps) with auto detect | | | | |
| Frequency Bands | LTE Band 2 | LTE Band 4 | LTE Band 5 | LTE Band 12 | LTE Band 13 |
| LTEM-PV | | X | | | X |
| LTEM-PA | X | X | | X | |
| Output Power | LTE: Class 5 20dBm (conducted) | | | | |

REFER TO THE INSTALLATION AND SETUP GUIDE FOR THE CONTROL WITH WHICH THIS DEVICE IS USED FOR LIMITATIONS OF THE ENTIRE SYSTEM.

The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health. Any attempt to reverse-engineer this device by decoding proprietary protocols, de-compiling firmware, or any similar actions is strictly prohibited.

| | |
|--|--|
| <p>SUPPORT & WARRANTY INFORMATION</p> <p>For the latest documentation and online support information, please go to: www.resideo.com</p> <p>For the latest warranty information, please go to: www.resideo.com</p> |  <p>MyWebTech</p> |
|--|--|

This product manufactured by Resideo Technologies, Inc. and its affiliates



R800-26393C 10/20 Rev C



After any programming changes are made to non-VISTA control panels, the communicator must be reset/rebooted (press and hold the Test switch 10 seconds).

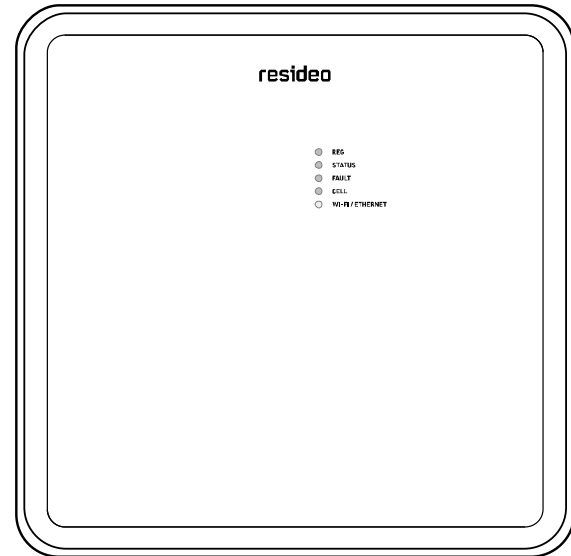
Register the Communicator

Once you have programmed the communicator, it must be registered. Registering the communicator activates the account with AlarmNet and enables the control panel to send reports. Before the communicator is registered, the REG (green) LED will be ON.

There are two ways to register the communicator:

- You can register by logging into AlarmNet 360 and choosing the "Programming" page. Search for the account using the Account Information or MAC ID. Under the "Actions" column, use the pulldown menu select "Register" the account.
- You can also register after the communicator is installed and programmed by clicking the Test Switch 3 times.

After successful registration, the REG (green) LED turns off.



FEDERAL COMMUNICATIONS COMMISSION & ISED STATEMENTS

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

CLASS B DIGITAL DEVICE STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, replace it with a quality outdoor antenna.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control panel.
- Move the antenna leads away from any wire runs to the receiver/control panel.
- Plug the receiver/control panel into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

ISED CLASS B STATEMENT

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC / ISED STATEMENT

This device complies with Part 15 of the FCC Rules, and ISED's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC et exempt de licence RSS d'ISED. Son fonctionnement est soumis aux conditions suivantes : (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

Responsible Party / Issuer of Supplier's Declaration of Conformity: Ademco Inc., a subsidiary of Resideo Technologies, Inc., 2 Corporate Center Drive., Melville, NY 11747, Ph: 516-577-2000

Partie responsable / Émetteur de la déclaration de conformité du fournisseur : Ademco Inc., une filiale de Resideo Technologies, Inc., 2 Corporate Center Drive., Melville, NY 11747, Tél. 516 577-2000

Z-Wave™ Notice

Your device, when used with the PROWIFIZW Wi-Fi/Z-Wave module, is a Primary Z-Wave Controller which controls of a mesh network of wireless Z-Wave™ and Z-Wave Plus™ devices. This system may be used with all devices certified with the Z-Wave certificate and should be compatible with such devices produced by other manufacturers. Z-Wave products are "included" into the Controller, so once they are programed, each device is assigned a unique address which allows them to communicate with each other and cannot be activated by a neighbor's Z-Wave automation system. Z-Wave is a wireless protocol that many manufacturers can add to their products such as in-wall light switches, in-wall outlets/receptacles, plug in lamp/appliance modules, thermostats, door locks, garage door openers, and many more. Z-Wave devices communicate with each other to make sure signals get from the Controller to the destination device. A signal can hop from device to device four times to get to the destination device. Battery operated devices, such as door locks, do not hop signals to other devices. Only constant powered devices can hop signals.

DSK NOTE: The DSK (Device Specific Key) of this Z-Wave device can be viewed on AlarmNet 360's Z-Wave screen.

RF Exposure

Warning – The antenna(s) used for this device must be installed to provide a separation distance of at least 7.8 inches (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC and ISED multi-transmitter product procedures.

Mise en Garde

Exposition aux Fréquences Radio : La/les antenne(s) utilisée(s) pour cet émetteur doit/doivent être installée(s) à une distance de séparation d'au moins 20 cm (7,8 pouces) de toute personne et ne pas être située(s) ni fonctionner parallèlement à tout autre transmetteur ou antenne, excepté en conformité avec les procédures de produit multi transmetteur FCC et ISED.

IMPORTANT NOTE ABOUT EXTERNAL ANTENNAS

If an external cellular radio antenna is used, the antenna may be installed or replaced ONLY by a professional installer.



WEEKLY TESTING IS REQUIRED TO ENSURE PROPER OPERATION OF THIS SYSTEM.

TO THE INSTALLER

LTEM-PV: The external antenna gain shall not exceed 8.9 dBi for 700 MHz (Band 13), 8 dBi for 1700 MHz (Band 4). Under no conditions may an antenna gain be used that would exceed the ERP and EIRP power limits as specified in FCC Parts 22H, 24E and 27.

LTEM-PA: The external antenna gain shall not exceed 8.6 dBi for 700 MHz (Band 12), 8 dBi for 1700 MHz (Band 4), and 11 dBi for 1800 MHz (Band 2). Under no conditions may an antenna gain be used that would exceed the ERP and EIRP power limits as specified in FCC Parts 22H, 24E and 27.

TRADEMARKS

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