PROLTE Series Wireless Communication Modules

Installation and Setup Guide

General Information

The Communication Modules allow the control panel to communicate with the Central Station via the cellular radio network. The PROLTE Series includes the following models:

PROLTE-A / PROLTE-A2 (US/Canada, AT&T Network)
PROLTE-V / PROLTE-V2 (US, Verizon Network)
PROLTE-CN (Canada, Bell Network)

The **PROLTE Series** wireless communications module is intended to provide compatible PRO Series control panels with a cellular connection with the central monitoring station. The module connects directly to the control panel and is powered via the control panel's connection. Refer to the applicable Control Panel's Installation and Setup Guide for additional information.

Compatible Control Panels:
PROA7PLUS/PROA7 Series
PROA7PLUSC/PROA7C Series

NOTE: Control Panel Firmware Revision 3.1297.xxx or later is required for the PROLTE-A2 or PROLTE-V2 module.

Installing the Module in the PROA7PLUS/PROA7 Series

Ensure that all electrical power is removed from the control before installing the module. Unplug the power supply and disconnect the backup battery.

1. Affix the provided FCC/IC on the control's case back (refer to Figure 1 for location).
2. If the Control Panel is not powered up proceed to step 7. If the Control Panel is powered up, disarm the system and wait 30-60 seconds:
3. Unplug the power supply.
4. Remove the screw securing the control to the wall or desk mount.
5. Remove the control from the wall or desk mount.
6. Disconnect the battery.

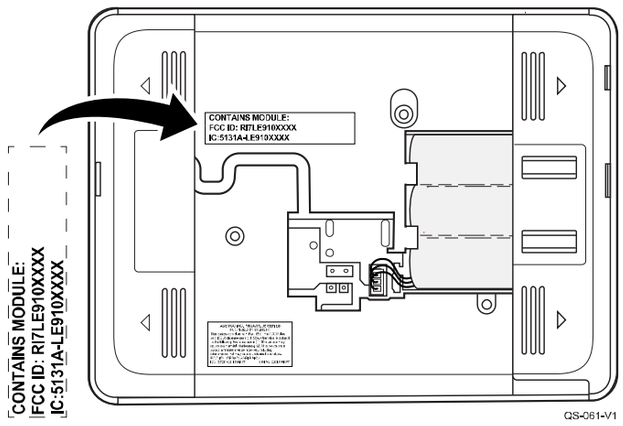


Figure 1. FCC/IC Label Location

7. Remove the left side from the control.
8. Insert the PROLTE Series module into the slot on the left side of the control as shown in Figure 2 and ensure the receptacle is securely seated on the control's edge connector.
9. Secure with the screw.
10. Install the left side cover.
11. Connect the battery.
12. Install the control on the wall or desk mount.
13. Plug the power supply into a 24-hour, 110VAC unswitched outlet.

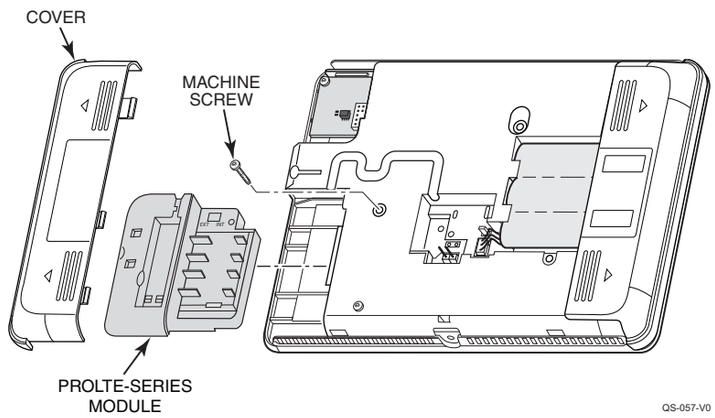


Figure 2. Installing the PROLTE Module

Programming

1. Programming associated with the PROLTE Series module is accomplished, as part of the control panel programming. Refer to the control panel installation and setup guide for additional information.
2. When programming is complete, perform a Communications Test.

Using an External Antenna

If adequate signal strength cannot be achieved with the internal antenna, an external antenna can be employed. A PROLTE-ANT or CELL-ANT3DB kit with an adapter cable, clamp, and bracket will be required. A connection diagram with the adapter kit and a typical antenna is provided with the kit.

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.

To the Installer

PROLTE-A: The external antenna gain shall not exceed 6.63 dBi for 700MHz and 850MHz, 6.0 dBi for 1700MHz and 8.5 dBi for 1900MHz. 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.

PROLTE-V: The external antenna gain shall not exceed 6.94 dBi for 700MHz, 6.0 dBi for 1700MHz and 9.01 dBi for 1900MHz. 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.

PROLTE-CN: The external antenna gain shall not exceed 6.63 dBi for 700MHz and 850MHz, 6.0 dBi for 1700MHz and 8.51 dBi for 1900MHz. Under no conditions may an antenna gain be used that would exceed the ERP and EIRP power limits as specified IC RSS-130, RSS-132, RSS-133, and RSS-139.

PROLTE-A2 / PROLTE-V2: The external antenna gain shall not exceed 5.00 dBi. 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.

Specifications

PROLTE-A / PROLTE-A2
PROLTE-V / PROLTE-V2
PROLTE-CN

Dimensions: ..... 2.85in (72.39mm) W x 2.8in (71.12mm) L x 0.675in (17.15mm) D
Current Drain: Idle..... 30mA, standby
Transmit..... 490mA, max transmit (PROLTE-A / PROLTE-V / PROLTE-CN)
860mA, max transmit (PROLTE-A2 / PROLTE-V2)
Input Voltage: ..... 5V (provided by the control panel)
Environmental
Operating Temperature: ..... -10°F (-23°C) to 131°F (55°C) (for compliance agency 32°F (0°C) to 120°F (49°C)
Storage Temperature:..... -40°F (-40°C) to 158°F (70°C)
Humidity: ..... 10 to 90% relative humidity, non-condensing (for compliance agency 0% to 85%)
LTE Bands: ..... PROLTE-A Supports LTE Bands 2, 4, 5 and 12
PROLTE-A2 Supports LTE Bands 2, 4, 12, 14 and 66
PROLTE-V Supports LTE Bands 2, 4 and 13
PROLTE-V2 Supports LTE Bands 4 and 13
PROLTE-CN Supports LTE Bands 2, 4, 5 and 12
Antenna..... Multi-Band diversity antennas
External Antenna Kit: ..... PROLTE-ANT or CELL-ANT3DB

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.

FCC CLASS B 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.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control 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.

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

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.



RF Exposure Warning

The antenna(s) used for this transmitter 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 Frequences 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 ISEDs.

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.

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

For Support visit: www.resideo.com.
For Warranty information visit: www.security.honeywellhome.com/warranty.

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