

Installation and Setup Guide

General Information

The PRODCM Dialer Capture Plug-In module is intended for use with the LTEM-P series communicators. The module is used for control panels that do not support Resideo ECP data communication, but that send Contact ID alarm signals via the control panel's TELCO dialer.

The module simulates the phone service to the control panel and captures the Contact ID messages from the panel's phone line, then passes the signals to the communicator. The messages are then sent to AlarmNet for routing to the central monitoring station via the Internet or cellular radio network.

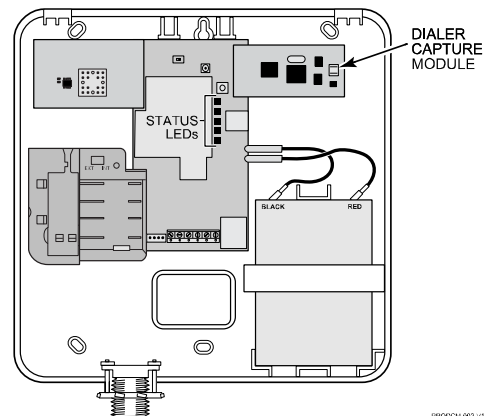
Compatible With:

LTEM-P Series Communicators – Quick Installation Guide P/N R800-26393 or higher.

Operation

The following summarizes the operation of the Dialer Capture module when an event occurs:

- When an event occurs, the control panel goes off hook to dial the central station. The PRODCM module detects the off-hook condition and provides the control panel with a dial tone.
- When the control panel detects the dial tone, it begins dialing the central station number. After the phone number is completed, the PRODCM module returns a handshake to the control panel.
- The control panel then sends the reports to the PRODCM module, which in turn passes them to the LTEM-P communicator. The PRODCM module kisses off each report received successfully from the control panel.
- The communicator then transmits the messages to the central station via the Internet or cellular radio network, as applicable.
- When all the reports are sent, the PRODCM module goes off hook.
- If the PRODCM senses a fault (fails to communicate with the LTEM-P), it will drop the phone line voltage to provide the control panel with a Telco fault.



Dialer Capture Module in fully loaded LTEM-P Communicator

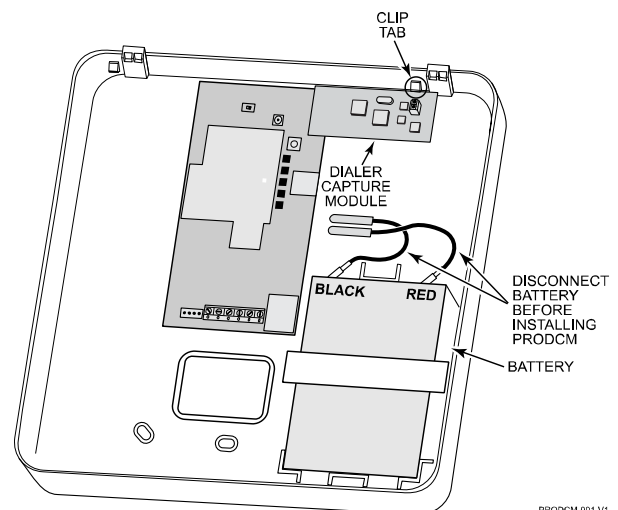
Installing the Module in the LTEM-P Series Communicators



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

The Dialer Capture module plugs into the LTEM-P communicator's main PC board.

- Power down the communicator and disconnect the battery.
- Install the Dialer Capture module by mating the module's connector to the edge connector on the upper right side of the communicator's PCB. Make sure the module is fully seated in the connector. Slip the module board under the snap tab to lock it in place as shown below.
- Connect the control panel's Telco Ring (R) and Tip (T) terminals individually to the terminals on the Dialer Capture module (module terminals have no Ring/Tip polarity). See diagram.
- After installation, refer to the Installation Guide for the LTEM-P communicator to complete its connections, if required. When completed, power up the communicator then reconnect the battery.



Installing the PRODCM Module in the LTEM-P Communicator



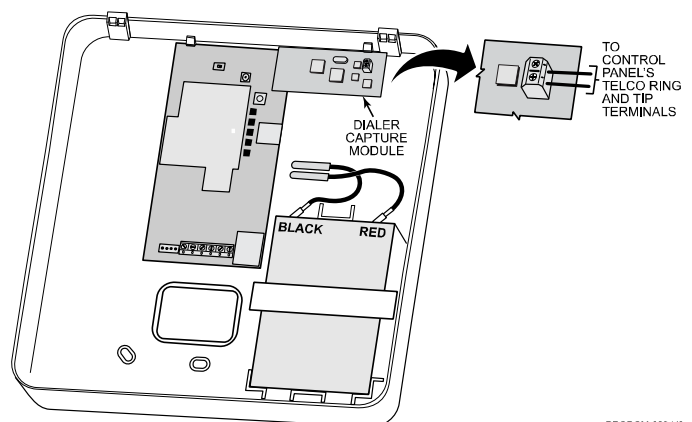
Do not connect the outside phone line to either the Dialer Capture module or the control panel. There should be no connection to the outside phone line when using the Dialer Capture module.

For replacement installations, make sure to disconnect the outside phone line when using the Dialer Capture module with the communicator.

Control Panel Programming Notes for Dialer Capture

After the Dialer Capture module has been installed, make sure the control panel is programmed for the following:

- Dialer operation is set for DTMF Tone Dialing for each phone number (pulse dialing is not supported and must be disabled in the control panel).
- PABX field is disabled (the Dialer Capture module does not communicate through a PABX).
- Phone numbers and account numbers are programmed (to ensure the maximum number of messages can be transmitted to the central station before a communication failure occurs, ensure the control panel is programmed with a primary and secondary central station number).
- Report format is set to Contact ID for each phone number.
- The maximum number of retry attempts is programmed.
- Desired zone and partition reports are enabled.



Wiring Connections for the PRODCM module

Additional Notes When Using the Dialer Capture Module

- The Dialer Capture module supports only one-way communications (from the control panel to the central station). For those control panels that support two-way voice communications, speakerphone, paging, follow-me, etc., these features will no longer be available. The control panel must be programmed for one-way communications only.
- Since Dialer Capture module supports only one-way communications (from the control panel to the central station), the Resideo Compass Downloader cannot be used.
- In the event the communicator loses power, the module would not be able to generate a fault trigger to the control panel and set an alarm. In this case, after the panel has exhausted its redial attempts, a communication failure is displayed by the panel (you may have to scroll through the messages).
- The Dialer Capture module cannot sense a fault on the Tip/Ring side. However, during an alarm, if the module cannot forward the alarm, it will trigger a fault and disable the phone line. The phone line will be re-enabled after communication has been re-established.
- If the Dialer Capture module senses a fault, it will send a Trigger signal to the control panel zone (if wired to a zone). At this point the module will also drop the phone line voltage and will not provide a dial tone to the control panel. During this time, the control panel will make retry attempts (8 for residential, and more for commercial) to dial out and send a report. Until the control panel has completed the series of retry attempts it will not be able to detect a Telco fault. To minimize the wait time, for control panels that allow setting the Telco Fault detection time, please set it to the minimum detection time.
- For control panels that may generate erroneous Telco fault conditions based on grounding, turn off "Telco Fault" monitoring at the control panel.
- If the dialer capture module receives a communication path failure from the communicator, the module will drop the voltage and thereby disable the phone line. If Telco Fault is enabled in the panel, the keypad on the system will display the fault. When the dialer capture module receives a fault clear condition, the module will re-enable the phone line. The panel is notified of all other faults if the fault output of the communicator is wired to a zone on the panel.

Specifications

Board Dimensions: 1.1875" W x 2.625" L x 0.625" D

Current Drain: Standby 16mA, standby
Active..... 130mA, max transmit

Input Voltage: 3.8V (provided by the communicator)

Environmental

Operating Temperature:..... 32°F (0°C) to 158°F (70°C)

Storage Temperature: -40°F (-40°C) to 158°F (70°C)

Humidity: 0 to 95% relative humidity, non-condensing

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.

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

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.

SUPPORT & WARRANTY

For the latest documentation and support, please go to: www.resideo.com
For the latest warranty information, please go to: www.resideo.com

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



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