Getting Started with NAPCO StarLink Fire Communicators

Welcome to the NAPCO StarLink series of commercial fire alarm communicators, designed to be the most reliable, cost effective and easiest to install in the industry. The wide selection of StarLink models will ensure you have the correct communicator for every commercial fire application. All models meet UL864 10th edition and are NFPA 72 compliant.

This document will guide you through the entire process, from the selection of the correct communicator model for the application, service plan selection, device activation, wiring, NOC configuration and AHJ testing of the completed installation.

To access the following information, simply click on the respective link:

- Selection of the Communicator Model.
- Selection of the Service Plan.
- StarLink Service Plan Price List.
- StarLink Communicator Price List.
- ComNet Communicator Activation, step-by-step.
- Quick Start, NOC Configuration and Communicator Wiring for Dial Capture DACT Installations.
- Quick Start, NOC Configuration and Communicator Wiring for a Panel Relay Triggered Installation.
- AHJ Testing of Communicator: Take the guesswork out of testing the fire alarm communicator, locate the NFPA revision and installed communicator model for the required step by step AHJ test procedure:

  Sole Path NFPA 2010 SLECDMA-CFB-PS & SLE3/4G-CFB-PS AHJ Insp. Guide

  Sole Path NFPA 2013 SLECDMA-CFB-PS & SLE3/4G-CFB-PS AHJ Insp. Guide

  Sole Path NFPA 2010 SLE-CDMA-FIRE - SLECDMA-CFB & SLE-GSM-FIRE - SLE3/4G-CFB AHJ Insp. Guide

  Sole Path NFPA 2013 SLE-CDMA-FIRE - SLECDMA-CFB & SLE-GSM-FIRE - SLE3/4G-CFB AHJ Insp. Guide

  Dual Path NFPA 2010 SLECDMAI-CFB-PS & SLE3-4GI-CFB-PS AHJ Insp. Guide

  Dual Path NFPA 2013 SLECDMAI-CFB-PS & SLE3-4GI-CFB-PS AHJ Insp. Guide

  Dual Path NFPA 2010 SLE-CDMAI-FIRE & SLECDMAI-CFB & GSM AHJ Insp. Guide

  Dual Path NFPA 2013 SLE-CDMAI-FIRE & SLECDMAI-CFB & GSM AHJ Insp. Guide
- StarLink Extended Antenna Information.

For additional resources, including FAQs, CAD drawings, How-to Videos and Tech Tips, visit the NAPCO Technical Library at http://tech.napcosecurity.com.

For NAPCO Technical Support, call 1-800-645-9440, Mon-Fri, 8:30 AM to 8:00 PM EST

Getting Started...

Which model communicator should I use?

Does your FACP have available standby current of 71mA @ 24V DC ? (must be regulated power supply)

Yes Select model **SLE-CDMA-FIRE / SLE-GSM-FIRE** (plastic enclosure) or **SLECDMA-CFB / SLE3/4G-CFB** (metal enclosure). These models are powered directly from the 24V DC AUX power provided by the FACP. This must be regulated power; do not connect to any power outputs designated as "unregulated power". For your standby power calcs, use 71mA (standby) and 200mA alarm (communicating). Standby backup power for the communicator is provided by the standby batteries of the FACP during AC power failures.

No Select model **SLECDMA-CFB-PS** / **SLE3/4G-CFB-PS** (metal enclosure). These models must be directly connected to a 120V AC dedicated circuit. Also included are provisions for a rechargeable standby battery.

When would I need a Dual Path model?

Napco offers all StarLink Fire communicator models in both Sole Path and Dual Path versions. The Sole Path models communicate from the protected premise to the NAPCO NOC through a cellular communicator, while the Dual Path models communicate through a cellular communicator and/or an integral internet communicator. Note that the StarLink Fire Dual Path models have an "I" in the part number (indicating Internet). The requirement for Dual Path is typicality determined by the municipality or the local AHJ.

Note that you may purchase and install a Dual Path communicator model, and select a Sole Path service plan. This ensures that if Dual path compliance is required in the future, the proper communicator is already in place.

What service plan should I select?

This is typically up to your local AHJ (Authority Having Jurisdiction) who is usually the Fire Marshal of the municipality. The AHJ will require compliance with a specific version of NFPA72 that will determine the service plan you select. If unsure of which plan to select, contact your AHJ for guidance.

NFPA 2013 Compliance with NFPA 2013 requires service plans SLF-SVC-13-VZ or SLF-SVC-13-AP, which require the Fire Communicator to "check-in" to the NOC every 60 minutes to ensure communicator readiness. This plan is the most common and most municipalities have standardized on 2013. NFPA 2013 service plans are currently selected for 80% of fire communicator activations nationwide.

NFPA 2010 Compliance with NFPA 2010 requires service plan SLF-SVC-10-VZ or SLF-SVC-10-AP, which requires the Fire Communicator to "check-in" to the NOC every 5 minutes.

NFPA 2007 Compliance with NFPA 2007 requires service plan SLF-SVC-07-VZ or SLF-SVC-13-AP, which requires the Fire Communicator to "check-in" to the NOC every 200 seconds.

NAPCO SECURITY TECHNOLOGIES, INC.
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800-645-9445 (631) 842-9400 FAX (631) 842-9137

NAPCO StarLink Fire Communicator Proposal

The following proposal offers a two tiered program designed to provide maximum alarm communication value through outstanding service and hardware pricing on the most reliable, easiest to install and cost effective communicators in the industry.

I Competitive Service Pricing

NAPCO will provide the following competitive alarm communication service pricing.

- All NAPCO service plans are unlimited, there are never any additional charges for excessive signals.
- No activation charges.
- All signals will be processed by the NAPCO StarLink NOC, which has achieved the following UL approvals:
  UL 864 Control Units and Accessories for Fire Alarm Systems
  UL 1610 Central-Station Burglar-Alarm Units
  UL 1635 Digital Alarm Communicator System Units

StarLink Communicator Service Plan Price List

Intrusion / Residential Fire Service Plans		Dealer Price (mo)
SLE-SVC-UL-VZ2 SLE-SVC-UL-AP2	Unlimited Signals, Unlimited UL/DL, Weekly Test	$5.95
SLE-SVC-UL-VZ3 SLE-SVC-UL-AP3	Unlimited Signals, Unlimited UL/DL, Daily Test	$7.95
Commercial Fire & Intrusion Sole Path Service Plans		
SLF-SVC-BU-VZ SLF-SVC-BU-AP	NFPA Backup Only • Daily NOC Check-in Supervision	$8.95
SLF-SVC-13-VZ SLF-SVC-13-AP	NFPA 2013 • 1 Hour NOC Check-in	$11.95
SLF-SVC-10-VZ SLF-SVC-10-AP	NFPA 2010 • 5 Minute NOC Check-in	$18.95
SLF-SVC-07-VZ SLF-SVC-07-AP	NFPA 2007 • 200 Second NOC Check-in	$25.95
SLB-SVC-CB-VZ SLB-SVC-CB-AP	Commercial Burg • 200 Second NOC Check-in	$25.95
Commercial Fire & Intrusion Dual Path Service Plans		
SLE-SVC-UL-VZ2I SLE-SVC-UL-AP2I	Dual Path Unlimited Service Pack 2 • Weekly Check-in	$4.95
SLE-SVC-UL-VZ3I SLE-SVC-UL-AP3I	Dual Path Unlimited • Daily IP Check-in	$5.95
SLF-SVC-13-VZI SLF-SVC-13-API	NFPA 2013 • 6 Hour NOC Cellular Check-in • 6 Hour IP Check-in	$9.95
SLF-SVC-10-VZI SLF-SVC-10-API	NFPA 2010 • 24 Hour NOC Cellular Check-in • 24 Hour IP Check-in	$7.95
SLB-SVC-CB-VZI SLB-SVC-CB-API	Commercial Dual Path Burg • 200 Sec IP Check-in • 6 Min NOC Cellular Check-in	$15.95
SLF-SVC-BU-VZI SLF-SVC-BU-API	NFPA Backup Only • Daily NOC Check-in Supervision	$6.95

Interactive Connected Home & Smart Business Service Plans		
SLE-SVC-BI-VZ	StarLink Connect Basic Interactive service plan, includes: •Unlimited Signals, Unlimited Downloads/Uploads, Weekly Test •Remote Arm/Disarm •Program User Codes •Edit Zone Description •View System Event History •iBridge Messenger notifications •Connected Home control of lighting, locking, video, thermostat	**$6.95**
SLE-SVC-AI-VZ	StarLink Connect Basic Interactive service plan, includes: •Unlimited Signals, Unlimited Downloads/Uploads, Weekly Test •Remote Arm/Disarm •Program User Codes •Edit Zone Description •View System Event History •iBridge Messenger notifications •Connected Home control of lighting, locking, video, thermostat	**$7.95**

II Competitive Hardware Pricing

Following is the extensive series of NAPCO StarLink Commercial Communicators, with suggested Dealer Pricing.

MODEL	DESCRIPTION	Dealer Price
SLE-CDMA-FIRE **SLE-GSM-FIRE** 	**Commercial Sole Path Fire/Burg Alarm Communicator** Red Plastic Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12-24VDC (71mA w/peak RF transmission draw of 200mA). Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$139.95**
SLECDMA-CFB-PS **SLE3/4G-CFB-PS** 	Commercial Sole Path Fire/Burg Alarm Communicator Red Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Direct 120VAC Powered, or from optional TRF12 Plug-In Transformer Includes power supply/provisions for backup battery/charger Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$209.95**
SLECDMA-CFB **SLE3/4G-CFB** 	Commercial Sole Path Fire/Burg Alarm Communicator Red Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12-24VDC (71mA w/peak RF transmission draw of 200mA). Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$179.95**

MODEL	DESCRIPTION	Dealer Price
SLE-CDMAI-FIRE **SLE-GSMI-FIRE** 	Commercial Dual Path Fire/Burg Dual Path IP / Cellular Alarm Communicator Red Plastic Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12-24VDC (80mA w/peak RF transmission draw of 200mA). Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$149.95**
SLECDMAI-CFBPS **SLE3/4GI-CFB-PS** 	Commercial Dual Path Fire/Burg Dual Path IP / Cellular Alarm Communicator Red Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Direct 120VAC Powered, or from optional TRF12 Plug-In Transformer Includes power supply/provisions for backup battery/charger Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$219.95**
SLECDMAI-CFB **SLE3/4GI-CFB** 	Commercial Dual Path Fire/Burg Dual Path IP / Cellular Alarm Communicator Red Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL864 9th Edition Control Units For Fire Alarm Systems • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12-24VDC (80mA w/peak RF transmission draw of 200mA). Also includes (2) 9SLE10KHARN harnesses to convert single radio input into 2 reporting channels, for a total of 4 supervised independent reporting channels.	**$189.95**
SLECDMA-CB-TF **SLE3/4G-CB-TF** 	**Commercial Intrusion Alarm Communicator** White Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Plug-in Transformer Input: 16.5 VAC /20VA Includes power supply/provisions for backup battery/charger	**$209.95**
SLECDMA-CB **SLE3/4G-CB** 	**Commercial Intrusion Alarm Communicator** White Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12VDC (71mA w/peak RF transmission draw of 200mA).	**$179.95**

MODEL	DESCRIPTION	Dealer Price
SLECDMAI-CB-TF **SLE3/4GI-CB-TF** 	**Commercial Dual Path Intrusion Alarm Communicator** White Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Plug-in Transformer Input: 16.5 VAC /20VA Includes power supply/provisions for backup battery/charger	**$219.95**
SLECDMAI-CB **SLE3/4GI-CB** 	**Commercial Dual Path Intrusion Alarm Communicator** White Metal Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12VDC (80mA w/peak RF transmission draw of 200mA).	**$189.95**
SLE-CDMA **SLE-GSM-3/4G** 	**Commercial Intrusion Radio Alarm Communicator** Black Plastic Enclosure Agency Compliance: • UL985 Household Fire Warning System • UL1023 Standard For Household Burglar-Alarm • UL1610 Standard For Central-Station Burglar-Alarm Units Powered by Control Panel Input: 12VDC (71mA w/peak RF transmission draw of 200mA).	**$99.95**
SLE-CDMA-C 	**StarLink Connect Connected Home / Business Alarm Communicator** • Dual Path, IP & Cellular Communicator with optional Wi-Fi • Upload / Download • Virtual Keypad Control • iBridge Messenger Notifications Compatible with NAPCO, Honeywell, DSC	**$129.95**
SLE-CDMA-Z 	**StarLink Connect Connected Home / Business Z-Wave Alarm Communicator** • Dual Path, IP & Cellular Communicator with optional Wi-Fi • Upload / Download • Virtual Keypad Control • iBridge Messenger Notifications • Connected Home Z-Wave Support Compatible with NAPCO, Honeywell, DSC	**$149.95**

MODEL		DESCRIPTION	Dealer Price
SLE-ANTEXT30		High quality remote outdoor antenna provides an exterior antenna option for the StarLink SLE Fire Series UL Listed communicators. Includes 30 feet of high performance low-loss coaxial cable, L bracket and stainless steel U-Bolts for pole or wall mounting.	**$179.95**
SLE-ANTEXT50		High quality remote outdoor antenna provides an exterior antenna option for the StarLink SLE Fire Series UL Listed communicators. Includes 50 feet of high performance low-loss coaxial cable, L bracket and stainless steel U-Bolts for pole or wall mounting	**$229.95**
SLE-ANTEXT75		High quality remote outdoor antenna provides an exterior antenna option for the StarLink SLE Fire Series UL Listed communicators. Includes 75 feet of high performance low-loss coaxial cable, L bracket and stainless steel U-Bolts for pole or wall mounting	**$259.95**

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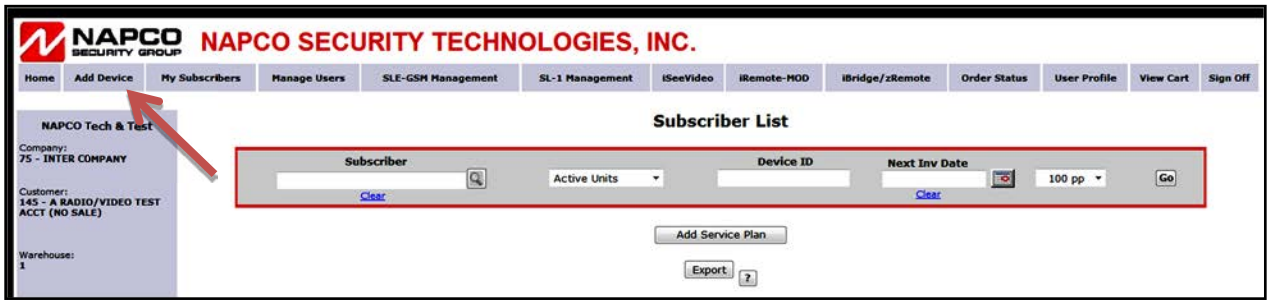
For Technical Service, (800) 645-9440 or visit us at
http://tech.napcosecurity.com/
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ Symbol: NSSC

NAPCO Remote Services
ComNet Activation Guide

WI2113BLF 3/18

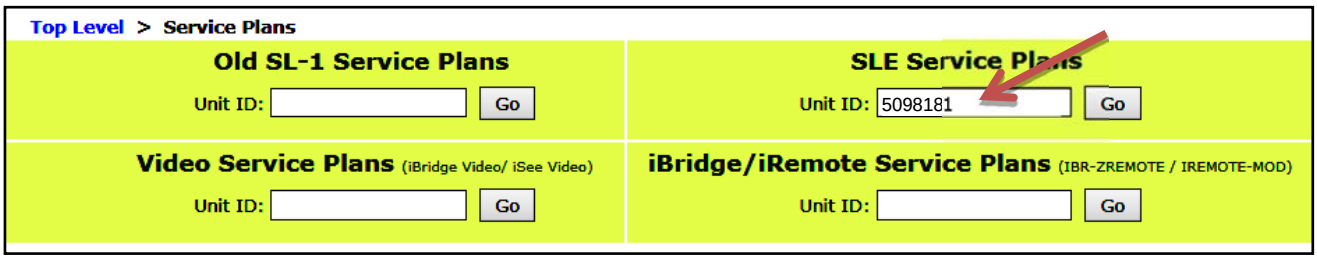
To activate a new Remote Service device, go to www.NapcoComnet.com and log into your dealer account. Proceed as follows:

1. Click **Add Device**, located at the top of the web page.

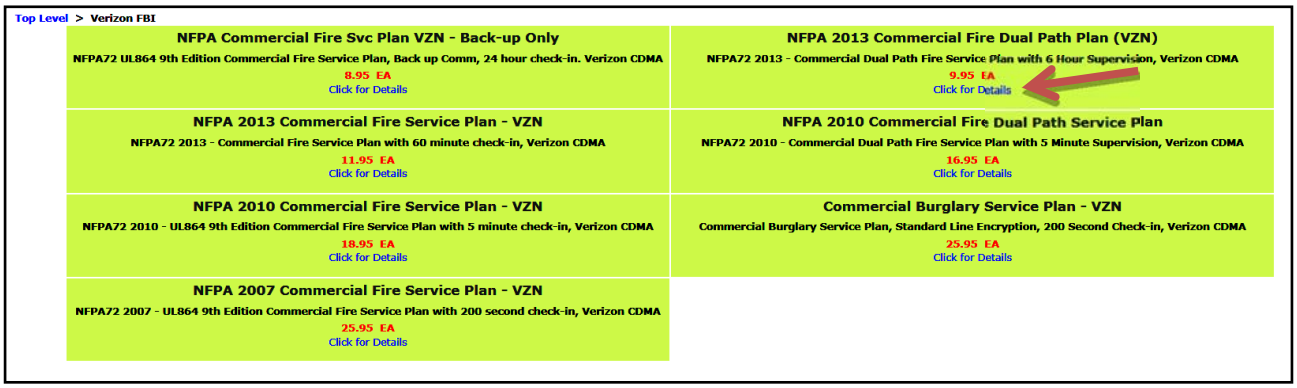


2. Click **Service Plans**.

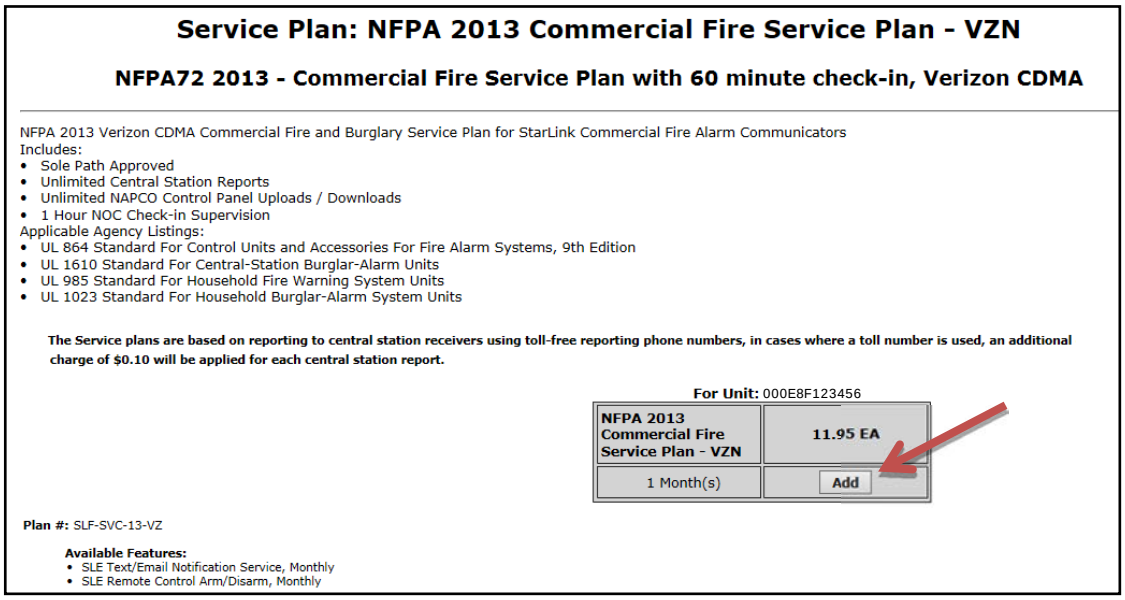
3. Type the Device ID (Radio ID#) into the Unit ID field for the respective device **Service Plan**, then click **Go**.



4. Click the **Click for Details** text to review the details of the service plan.

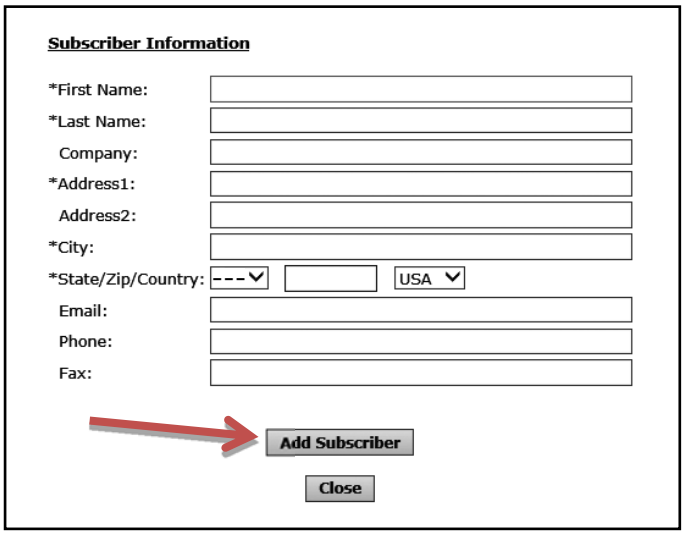


5. Click **Add,** to add the service plan to the shopping cart.

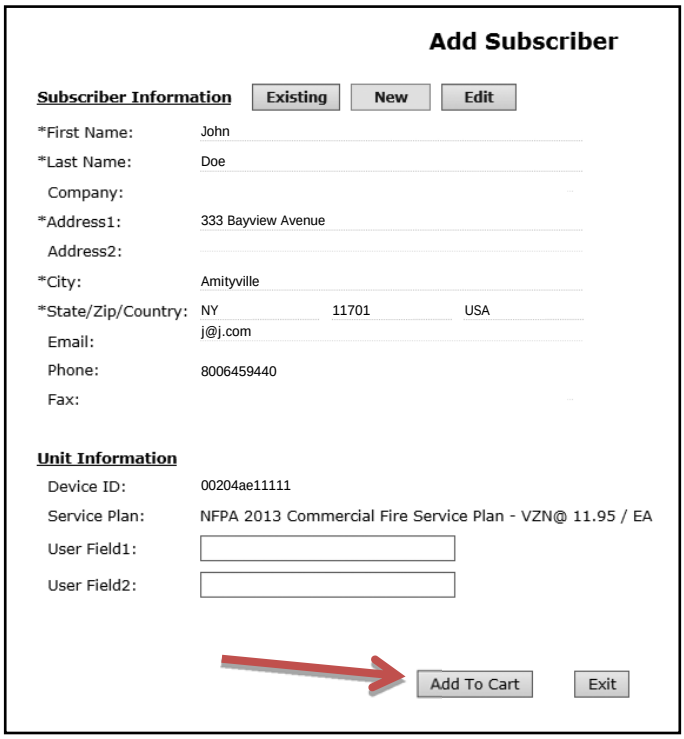


6. Click **New** for a new subscriber or **Existing** to add the device to an existing account.

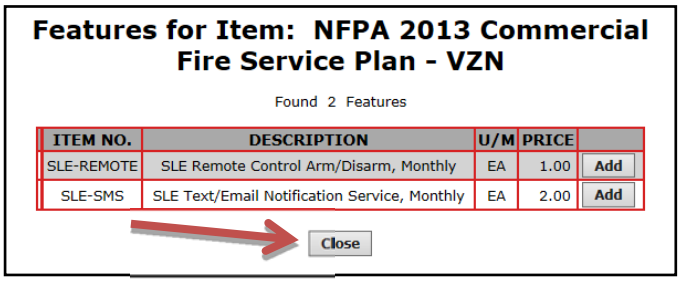
7. Type the new subscriber information, then click **Add Subscriber**.



8. Review the subscriber information, then click **Add to Cart**.



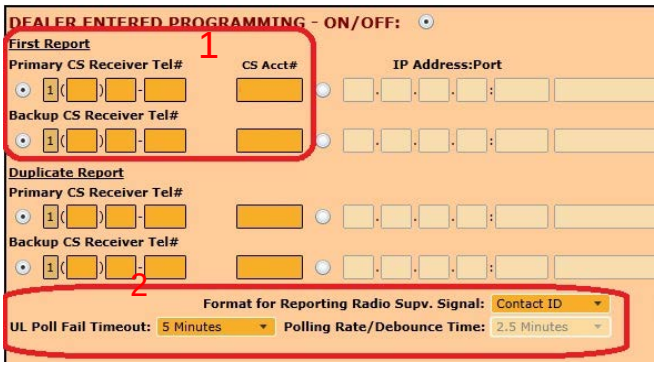
9. Click **Close** if you do not want additional features.

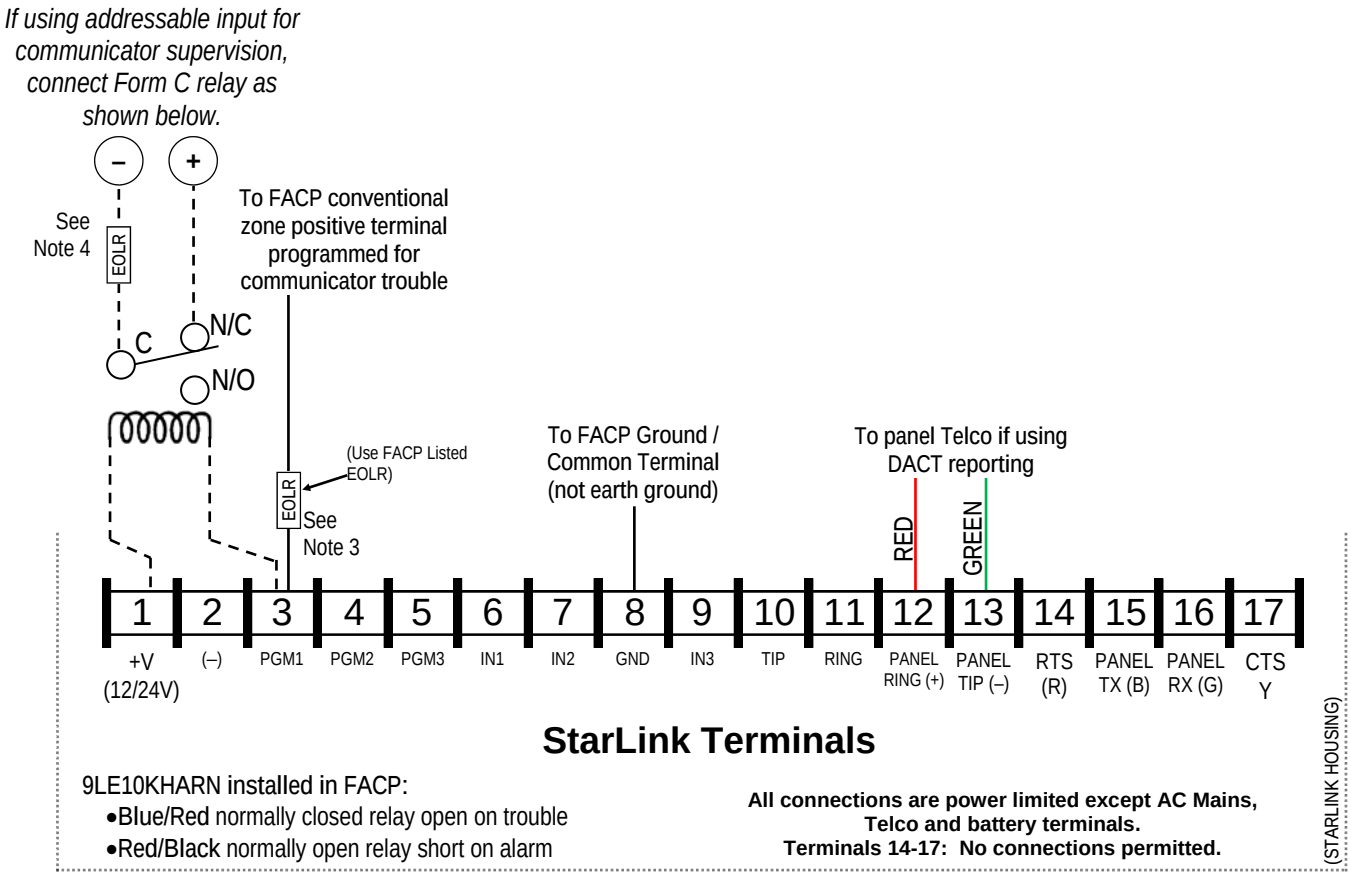


10. In the **Shopping Cart** (see below), click **Process Order** to complete the activation process.

The following summarizes the minimum required NOC programming (http://NapcoNOC.com) and system wiring when connecting a StarLink Fire Communicator to the DACT of an FACP, utilizing dial capture mode reporting. Check the installation and programming instructions for additional wiring and programming options. Be sure all items in the following checklist are performed:

- ☐ **1.** Central Station Receiver Telephone numbers are programmed in the "**Dealer Entered Programming**" section (see image at right):
- ☐ **2.** **UL Poll Fail Timeout** is set (200 seconds NFPA 2007 service plan; 5 min. for NFPA 2010 plan; 60 min. for NFPA 2013 plan or 24hr backup only):
- ☐ **3.** (**PGM1**) is wired to a trouble zone in the FACP. Wire the control panel Listed EOLR in series (terminal 3 PGM Output #1 and ground terminal #8) to a zone or point programmed to monitor communicator troubles.





Notes:

1. For NAPCO control panel downloading or **remote upgrading of radio firmware**, radio jumper **X5_J1** must be removed.
2. Upon activation of the fire trouble relay (open between blue and red harness wires), a fire trouble signal will be transmitted to the central station.
3. For StarLink models SLECDMA-CFB-PS and SLE3/4G-CFB-PS, connect to charger board terminal labeled **N/O**.
4. If using external relay for radio supervision, relay must be rated for radio input voltage, (12VDC, max current draw=50mA OR 24VDC, max current draw=25mA). A listed low current relay, such as *Space Age Electronics* model SSU-MR-311/C/R is recommended.

Note: All wiring diagrams and programming depicted in this guide assume the wiring between the radio and the FACP is protected by conduit.

Installation Quick Start / Checklist for Triggering Radio Inputs from FACP Relays

WI2162A 04/16

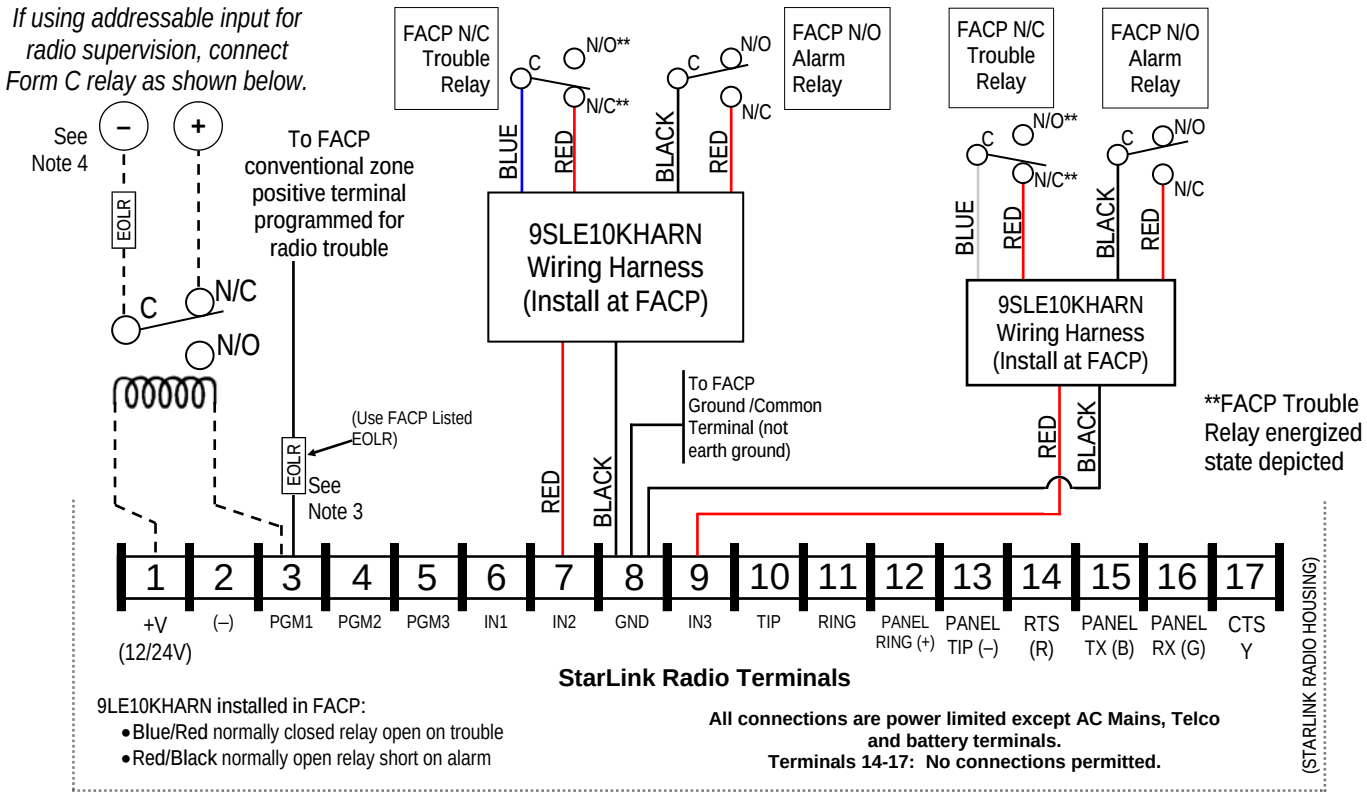
The following summarizes the minimum required NOC programming (http://NapcoNOC.com) and system wiring for reporting alarm and trouble events triggered by the relays of a Fire Alarm Control Panel (FACP). Check the installation and programming instructions for additional wiring and programming options. Be sure all items in the following checklist are performed:

- ☐ **1.** Central Station Receiver Telephone numbers are programmed in the "**Dealer Entered Programming**" section (see image at right):

- ☐ **2.** **UL Poll Fail Timeout** is set (200 seconds NFPA 2007 service plan; 5 min. for NFPA 2010 plan; 60 min. for NFPA 2013 plan or 24hr backup only):
- ☐ **3.** Set CS Test Timer to 6hr or 24hr.
- ☐ **4.** The central station receiver telephone number ("**Telco # for reporting tamper/linecut/parallel inputs**") and account number ("**Subscriber Account Number**") are programmed in the ***Advanced*** tab:
  Note: The central station receiver telephone number and account number must be manually entered.

- ☐ **5.** Input 2 (**IN2**) and Input 3 (**IN3**) is set for **Supervised Fire Alarm/Fire Trouble**, and the desired event number and zone numbers are programmed for Fire Alarm and Fire Trouble (also programmed for other trouble conditions as required by the local AHJ). Upon loss of power or trouble, the FACP N/C relay must change state from closed to open; see wiring diagram below. If necessary, **IN3** may be used for additional troubles. Default Contact ID reporting codes: Fire Alarm = **110** and Trouble = **373**. Default 4/2 reporting codes: Fire Alarm = **F3** and Trouble = **22**.

- ☐ **6.** (**PGM1**) is wired to a trouble zone in the FACP. Wire the control panel Listed EOLR in series (terminal 3 PGM Output #1 and ground terminal #8) to a zone or point programmed to monitor radio trouble.



Notes:

1. For NAPCO control panel downloading or **remote upgrading of radio firmware**, radio jumper **X5_J1** must be removed.
2. **Note:** Upon activation of the fire alarm relay (short on black and red harness wires), an alarm signal will be transmitted to the central station. Upon activation of the fire trouble relay (open between blue and red harness wires), a fire trouble signal will be transmitted to the central station.
3. For StarLink models SLECDMA-CFB-PS and SLE3/4G-CFB-PS, connect to charger board terminal labeled **N/O**.
4. If using external relay for radio supervision, relay must be rated for radio input voltage, (12VDC, max current draw=50mA OR 24VDC, max current draw=25mA). A Listed low current relay, such as *Space Age Electronics* model SSU-MR-311/C/R is recommended.

Note: All wiring diagrams and programming depicted in this guide assume the wiring between the radio and the FACP is protected by conduit.

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StarLink™ SLECDMA-CFB-PS & SLE3/4G-CFB-PS NFPA 2010 AHJ Inspection Guide

WI2175B 1/17

The NAPCO **SLECDMA-CFB-PS** Commercial Fire radio, fully compliant with the 2010 edition of NFPA 72, is approved as a fire alarm communicator. The capability of indicating and communicating signal failures to the central station within 5 minutes of an outage allows the **SLECDMA-CFB-PS** to replace existing telephone lines.

The following testing guide is intended to assist with the AHJ inspection of a **SLECDMA-CFB-PS** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the **SLECDMA-CFB-PS** in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐

Yellow Trouble LED on the SLEULPS-R	OFF (indicates no trouble present).	☐

AC Failure Test

Remove radio AC power and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks once.	☐
Trouble Relay Output	Activates after 2 hours; check for proper trouble annunciation at FACP.	☐

Restore radio AC power:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

No Battery / Low Battery Test

Disconnect the radio battery and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks twice.	☐
Trouble Relay Output	Activates within 200 seconds; check for proper trouble annunciation at FACP.	☐

Reconnect the radio battery:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

(continued)

Signal Loss Test

This test ensures that the **SLECDMA-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Yellow Trouble LED on SLE-ULPS-R	Blinks 4 times.	☐
Trouble Relay Output on SLE-ULPS-R	Activates within 5 minutes; check for proper trouble annunciation at FACP.	☐
	Supervisory signal **E356** will be received by the central station within 5 minutes of the antenna being removed.	☐

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Yellow Trouble LED on SLE-ULPS-R	Turns off.	☐
Trouble Relay Output on SLE-ULPS-R	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R356** will be received by the central station within 5 minutes of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

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StarLink™ SLECDMA-CFB-PS & SLE3/4G-CFB-PS NFPA 2013 AHJ Inspection Guide

WI2176B 1/17

The NAPCO **SLECDMA-CFB-PS** Commercial Fire radio, fully compliant with the 2013 edition of NFPA 72, is approved as a fire alarm communicator. The capability of indicating and communicating signal failures to the central station within 60 minutes of an outage allows the **SLECDMA-CFB-PS** to replace existing telephone lines.

The following testing guide is intended to assist with the AHJ inspection of a **SLECDMA-CFB-PS** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the **SLECDMA-CFB-PS** in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐

Yellow Trouble LED on the SLEULPS-R	OFF (indicates no trouble present).	☐

AC Failure Test

Remove radio AC power and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks once.	☐
Trouble Relay Output	Activates after 2 hours; check for proper trouble annunciation at FACP.	☐

Restore radio AC power:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

No Battery / Low Battery Test

Disconnect the radio battery and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks twice.	☐
Trouble Relay Output	Activates within 200 seconds; check for proper trouble annunciation at FACP	☐

Reconnect the radio battery:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

(continued)

Signal Loss Test

This test ensures that the **SLECDMA-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Yellow Trouble LED on SLE-ULPS-R	Blinks 4 times.	☐
Trouble Relay Output on SLE-ULPS-R	Activates within 60 minutes; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E356** will be received by the central station within 60 minutes of the antenna being removed.	☐

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Yellow Trouble LED on SLE-ULPS-R	Turns off.	☐
Trouble Relay Output on SLE-ULPS-R	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R356** will be received by the central station within 60 minutes of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

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StarLink™ SLE-CDMA-FIRE - SLECDMA-CFB & SLE-GSM-FIRE - SLE3/4G-CFB NFPA 2010 AHJ Inspection Guide

WI2177B 1/17

The NAPCO **SLE-CDMA-FIRE** and **SLECDMA-CFB** Commercial Fire radios, fully compliant with the 2010 edition of NFPA 72, are approved as fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 5 minutes of an outage allows the **SLE-CDMA-FIRE** or **SLECDMA-CFB** to replace existing telephone lines.

The following testing guide is intended to assist with the AHJ inspection of a **SLE-CDMA-FIRE** or **SLECDMA-CFB** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the SLE radio in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐
Yellow Trouble LED on the SLEULPS-R	OFF (indicates no trouble present).	☐

AC Failure Test
No Battery / Low Battery Test

The **SLE-CDMA-FIRE** and **SLECDMA-CFB** models are powered directly from the FACP power supply; radio AC Failure and Battery Failure tests are not required.

Signal Loss Test

This test ensures that the **SLECDMA-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Yellow Trouble LED on SLE-ULPS-R	Blinks 4 times.	☐
Trouble Relay Output on SLE-ULPS-R	Activates within 5 minutes; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E356** will be received by the central station within 5 minutes of the antenna being removed.	☐

(continued)

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Yellow Trouble LED on SLE-ULPS-R	Turns off.	☐
Trouble Relay Output on SLE-ULPS-R	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R356** will be received by the central station within 5 minutes of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

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StarLink™ SLE-CDMA-FIRE - SLECDMA-CFB & SLE-GSM-FIRE - SLE3/4G-CFB NFPA 2013 AHJ Inspection Guide

WI2178B 1/17

The NAPCO **SLE-CDMA-FIRE** and **SLECDMA-CFB** Commercial Fire radios, fully compliant with the 2013 edition of NFPA 72, are approved as fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 60 minutes of an outage allows the **SLE-CDMA-FIRE** or **SLECDMA-CFB** to replace existing telephone lines.

The following testing guide is intended to assist with the AHJ inspection of a **SLE-CDMA-FIRE** or **SLECDMA-CFB** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the **SLE-CDMA-FIRE** or **SLECDMA-CFB** in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐

Yellow Trouble LED on the SLEULPS-R	OFF (indicates no trouble present).	☐

AC Failure Test
No Battery / Low Battery Test

The **SLE-CDMA-FIRE** and **SLECDMA-CFB** models are powered directly from the FACP power supply; radio AC Failure and Battery Failure tests are not required.

Signal Loss Test

This test ensures that the **SLECDMA-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Yellow Trouble LED on SLE-ULPS-R	Blinks 4 times.	☐
Trouble Relay Output on SLE-ULPS-R	Activates within 60 minutes; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E356** will be received by the central station within 60 minutes of the antenna being removed.	☐

(continued)

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Yellow Trouble LED on SLE-ULPS-R	Turns off.	☐
Trouble Relay Output on SLE-ULPS-R	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R356** will be received by the central station within 60 minutes of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

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StarLink™ SLECDMAI-CFB-PS & SLE3/4GI-CFB-PS Dual Path Fire Communicator NFPA 2010 AHJ Inspection Guide

WI2260LF 9/17

The NAPCO **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** Dual Path Commercial Fire communicators, fully compliant with the 2010 edition of NFPA 72, are approved as Dual Path fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 24 hours of an outage allow the **SLECDMAI-CFB-PS** or **SLE3/4GI -CFB-PS** to replace two existing telephone lines. **Note:** The **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** may also be configured as Sole Path Fire communicators, fully compliant with the NFPA 72, 2010 edition.

The following testing guide is intended to assist with the AHJ inspection of a **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **DS15**	1 Slow Blink (indicates normal operation).	☐
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red IP Trouble LED **DS16**	OFF (indicates no trouble present).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐
Trouble Relay Output on SLEULPS-R Trouble LED	OFF (indicates no trouble present).	☐

AC Failure Test

Remove radio AC power and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks once.	☐
Trouble Relay Output	Activates after 2 hours; check for proper trouble annunciation at FACP.	☐

Restore radio AC power:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

No Battery / Low Battery Test

Disconnect the radio battery and observe the following **SLEULPS-R** power supply indications:

LED on the SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks twice.	☐
Trouble Relay Output	Activates within 200 seconds; check for proper trouble annunciation at FACP	☐

(continued)

Reconnect the radio battery:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

Signal Loss Test

This test ensures that the **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E788 (zone 1)** will be received by the central station within 24 hours of the antenna being removed.	☐

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
	Supervisory restore signal **R788 (zone 1)** will be received by the central station within 24 hours of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

IP Signal Loss Test

This test ensures that the **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the Ethernet cable and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15**	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E788 (zone 2)** will be received by the central station within 24 hours of the Ethernet cable being removed.	☐

(continued)

Reconnect the Ethernet cable:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
	Supervisory restore signal **R788 (zone 2)** will be received by the central station within 24 hours of the Ethernet cable being reconnected.	☐

IP Cable and Antenna Signal Loss Test

Remove both the Ethernet cable and antenna, then observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15** on SLE-ULPS-R	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E356** will be received by the central station within 24 hours of the Ethernet cable and antenna being removed.	☐

Reconnect both the Ethernet cable and antenna:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
Red Trouble LED **D5**	Turns off.	☐
	Supervisory restore signal **R356** will be received by the central station within 24 hours of the Ethernet cable and antenna being reconnected.	☐

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StarLink™ SLECDMAI-CFB-PS & SLE3/4GI-CFB-PS Dual Path Fire Communicator NFPA 2013 AHJ Inspection Guide

WI2261LF 9/17

The NAPCO **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** Commercial Fire communicators, fully compliant with the 2013 edition of NFPA 72, are approved as Dual Path fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 6 hours of an outage allows the **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** to replace two existing telephone lines. **Note:** The **SLECDMAI-CFB-PS** and **SLE3/4GI-CFB-PS** may also be configured as Sole Path Fire communicators, fully compliant with the NFPA 72, 2013 edition.

The following testing guide is intended to assist with the AHJ inspection of a **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **DS15**	1 Slow Blink (indicates normal operation).	☐
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red IP Trouble LED **DS16**	OFF (indicates no trouble present).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐
Trouble Relay Output on SLEULPS-R Trouble LED	OFF (indicates no trouble present).	☐

AC Failure Test

Remove radio AC power and observe the following **SLEULPS-R** power supply indications:

LED on SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks once.	☐
Trouble Relay Output	Activates after 2 hours; check for proper trouble annunciation at FACP.	☐

Restore radio AC power:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

No Battery / Low Battery Test

Disconnect the radio battery and observe the following **SLEULPS-R** power supply indications:

LED on SLEULPS-R	Verify this Condition	Passed?
Yellow Trouble LED	Blinks twice.	☐
Trouble Relay Output	Activates within 200 seconds; check for proper trouble annunciation at FACP	☐

(continued)

Reconnect the radio battery:

Yellow Trouble LED	Turns off.	☐
Trouble Relay Output	Restores; check for proper trouble restoral at FACP.	☐

Signal Loss Test

This test ensures that the **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E788 (zone 1)** will be received by the central station within 6 hours of the antenna being removed.	☐

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
	Supervisory restore signal **R788 (zone 1)** will be received by the central station within 6 hours of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

IP Signal Loss Test

This test ensures that the **SLECDMAI-CFB-PS** or **SLE3/4GI-CFB-PS** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the Ethernet cable and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15**	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E788 (zone 2)** will be received by the central station within 6 hours of the Ethernet cable being removed.	☐

(continued)

Reconnect the Ethernet cable:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
	Supervisory restore signal **R788 (zone 2)** will be received by the central station within 6 hours of the Ethernet cable being reconnected.	☐

IP Cable and Antenna Signal Loss Test

Remove both the Ethernet cable and antenna, then observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15** on SLE-ULPS-R	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Blinks 4 times.	☐
	Supervisory signal **E356** will be received by the central station within 6 hours of the Ethernet cable and antenna being removed.	☐

Reconnect both the Ethernet cable and antenna:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on SLEULPS-R Trouble LED	Turns off.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
Red Trouble LED **D5**	Turns off.	☐
	Supervisory restore signal **R356** will be received by the central station within 6 hours of the Ethernet cable and antenna being reconnected.	☐

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StarLink™ SLE-CDMAI-FIRE / SLE-GSMI-FIRE & SLECDMAI-CFB / SLE3/4GI-CFB Dual Path Fire Communicators NFPA 2010 AHJ Inspection Guide

WI2262LF 9/17

The NAPCO **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** Commercial Fire communicators, fully compliant with the 2010 edition of NFPA 72, are approved as Dual Path fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 24 hours of an outage allows each unit to replace two existing telephone lines. **Note:** The **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** may also be configured as Sole Path Fire communicators, fully compliant with the NFPA 72, 2010 edition.

The following testing guide is intended to assist with the AHJ inspection of a **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLECDMAI-CFB** / **SLE3/4GI-CFB** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the unit in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **DS15**	1 Slow Blink (indicates normal operation).	☐
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red IP Trouble LED **DS16**	OFF (indicates no trouble present).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐

AC Failure Test

No Battery / Low Battery Test

The **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** models are powered directly from the FACP power supply; radio AC Failure and Battery Failure tests are not required.

Signal Loss Test

This test ensures that the **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLECDMAI-CFB** / **SLE3/4GI-CFB** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on PGM1 Trouble Output	Activates within 24 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E788 (zone 1)** will be received by the central station within 24 hours of the antenna being removed.	☐

(continued)

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Trouble Relay Output on PGM1 Trouble Output	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R788 (zone 1)** will be received by the central station within 24 hours of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

IP Signal Loss Test

This test ensures that the **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLECDMAI-CFB** / **SLE3/4GI-CFB** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the Ethernet cable and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15**	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Trouble Relay Output on PGM1	Activates within 24 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E788 (zone 2)** will be received by the central station within 24 hours of the Ethernet cable being removed.	☐

Reconnect the Ethernet cable:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on PGM1	Restores; check for proper trouble restoral at FACP.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
	Supervisory restore signal **R788 (zone 2)** will be received by the central station within 24 hours of the Ethernet cable being reconnected.	☐

(continued)

IP Cable and Antenna Signal Loss Test

Remove both the Ethernet cable and antenna, then observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15** on SLE-ULPS-R	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on PGM1	Activates within 24 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E356** will be received by the central station within 24 hours of the Ethernet cable and antenna being removed.	☐

Reconnect both the Ethernet cable and antenna:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on PGM1 Trouble Output	Restores; check for proper trouble restoral at FACP.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
Red Trouble LED **D5**	Turns off.	☐
	Supervisory restore signal **R356** will be received by the central station within 24 hours of the Ethernet cable and antenna being reconnected.	☐

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StarLink™ SLE-CDMAI-FIRE / SLE-GSMI-FIRE & SLECDMAI-CFB / SLE3/4GI-CFB Dual Path Fire Communicators NFPA 2013 AHJ Inspection Guide

WI2263LF 9/17

The NAPCO **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** Dual Path Commercial Fire communicators, fully compliant with the 2013 edition of NFPA 72, are approved as Dual Path fire alarm communicators. The capability of indicating and communicating signal failures to the central station within 6 hours of an outage allows each unit to replace two existing telephone lines. **Note:** The **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** may also be configured as Sole Path Fire communicators, fully compliant with the NFPA 72, 2013 edition.

The following testing guide is intended to assist with the AHJ inspection of a **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLEC-DMAI-CFB** / **SLE3/4GI-CFB** Fire radio installation. All required testing procedures are described, followed by the correct system responses. Ensure that in cases where a radio trouble output is connected to an input on the FACP, the fire control panel properly annunciates the trouble condition.

Normal LED Indications

With the unit in standby mode, ensure the LEDs display as follows:

LED	Verify this Condition	Passed?
Yellow Operational LED **DS15**	1 Slow Blink (indicates normal operation).	☐
Yellow Operational LED **D4**	Blinks every 10 seconds (indicates normal operation).	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP).	☐
Green RF Signal LED **D3**	Blinks at least 4 times (indicates minimally acceptable signal strength).	☐
Red IP Trouble LED **DS16**	OFF (indicates no trouble present).	☐
Red Trouble LED **D5**	OFF (indicates no trouble present).	☐

AC Failure Test

No Battery / Low Battery Test

The **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** and **SLECDMAI-CFB** / **SLE3/4GI-CFB** models are powered directly from the FACP power supply; radio AC Failure and Battery Failure tests are not required.

Signal Loss Test

This test ensures that the **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLECDMAI-CFB** / **SLE3/4GI-CFB** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time.

Remove the antenna and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on PGM1 Trouble Output	Activates within 6 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E788 (zone 1)** will be received by the central station within 6 hours of the antenna being removed.	☐

(continued)

Reconnect the antenna:

Red Trouble LED **D5**	Turns off.	☐
Trouble Relay Output on PGM1 Trouble Output	Restores; check for proper trouble restoral at FACP.	☐
	Supervisory restore signal **R788 (zone 1)** will be received by the central station within 6 hours of the antenna being reconnected.	☐

Note: In cases where the radio may be located in close proximity to the cell tower, there is a possibility that the radio may operate properly, even with the antenna removed.

IP Signal Loss Test

This test ensures that the **SLE-CDMAI-FIRE** / **SLE-GSMI-FIRE** or **SLECDMAI-CFB** / **SLE3/4GI-CFB** will indicate a supervisory trouble condition to the FACP and central station upon loss of signal within the required time period.

Remove the Ethernet cable and observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15**	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Trouble Relay Output on PGM1	Activates within 6 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E788 (zone 2)** will be received by the central station within 6 hours of the Ethernet cable being removed.	☐

Reconnect the Ethernet cable:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on PGM1	Restores; check for proper trouble restoral at FACP.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
	Supervisory restore signal **R788 (zone 2)** will be received by the central station within 6 hours of the Ethernet cable being reconnected.	☐

(continued)

IP Cable and Antenna Signal Loss Test

Remove both the Ethernet cable and antenna, then observe the following indications:

LED	Verify this Condition	Passed?
Red Trouble LED **DS16**	Blinks 1 time every 4 seconds.	☐
Yellow Trouble LED **DS15** on SLE-ULPS-R	Remains on solid.	☐
Green IP Network LED **DS14**	Turns off.	☐
Red Trouble LED **D5**	Blinks 5 times.	☐
Trouble Relay Output on PGM1	Activates within 6 hours; check for proper trouble annunciation at FACP	☐
	Supervisory signal **E356** will be received by the central station within 6 hours of the Ethernet cable and antenna being removed.	☐

Reconnect both the Ethernet cable and antenna:

Red Trouble LED **DS16**	Turns off.	☐
Yellow Trouble LED **DS15**	Slow blink.	☐
Trouble Relay Output on PGM1 Trouble Output	Restores; check for proper trouble restoral at FACP.	☐
Green IP Network LED **DS14**	1 Blink (Static IP) or 2 Blinks (DHCP)	☐
Red Trouble LED **D5**	Turns off.	☐
	Supervisory restore signal **R356** will be received by the central station within 6 hours of the Ethernet cable and antenna being reconnected.	☐

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StarLink Antenna Extension Kits

StarLink SLE Fire Series UL Listed Communicators

Installation Instructions

WI2230ALF 08/17

The StarLink ***Antenna Extension Kits*** are designed to increase cellular transmission signal strength and provide an exterior antenna option for the StarLink SLE Fire Series UL Listed communicators. The kits include a dual wide band, 4-9dBi omnidirectional indoor / outdoor antenna that enhances transmission and reception signals within the 824 - 894MHz and 1850 - 1990MHz bands, and are designed to minimize loss and maximize gain. The antenna is foam filled for vibration stabilization and long lasting performance in extreme conditions. A UV stable polyurethane finish provides outstanding corrosion resistance in the harshest environments. Each antenna includes an L bracket with stainless steel U Bolts for pole or wall mounting.

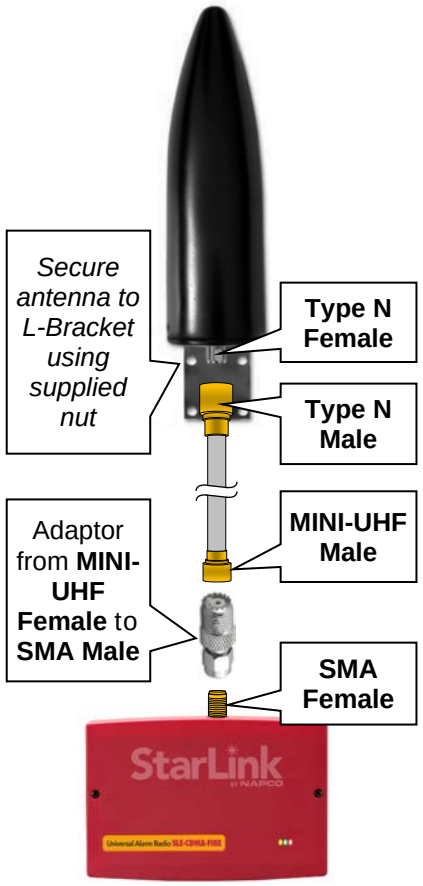
The kits also include high quality, low loss coaxial cable and an adaptor for connection to the SMA female antenna connector of all StarLink radio models.

TECHNICAL SPECIFICATIONS

Radiation Pattern.....Omni-Directional
Gain 4-9dBi
Bandwidth .....VSWR: <1.5: 1 = 695-3000 MHZ in all 3G & 4G Bands
.....VSWR: <2.0: 1 = 695-3000 MHZ
Impedance.....50 ohms
Max. Input Power.....50 watts
Exterior Finish .....Black UV stable
Dimensions .....8⅞" (225 mm) Length x 2⅜" (60 mm) od
Weight .....10 oz.
RF Connector.....Type N female
PIM .....-155dBc
Installation .....Included L Bracket with U-bolts for up to 2" pole
Elements .....Copper
Polarization .....Vertical
Wind Rating .....> 110 MPH
Warranty.....36 months
Environments: ..... Indoor or outdoor use

FEATURES

- Compact design
- UV stable polyurethane finish
- Vibration stabilized foam filled
- Excellent 700 MHZ LTE performance
- VSWR <1.5:1 in 3G & 4G bands
- Universal applications



ORDERING INFORMATION

- **SLE-ANT** - Antenna only, black UV stable finish
- **SLE-ANTEXT30** – 30' Antenna Extension Kit, Includes **SLE-ANT** Antenna, 30' Coax Type N male to MINI-UHF male terminated cable and SMA M to MINI-UHF F Adaptor
- **SLE-ANTEXT50** - 50' Antenna Extension Kit, Includes **SLE-ANT** Antenna, 50' Coax Type N male to MINI-UHF male terminated cable and SMA M to MINI-UHF F Adaptor
- **SLE-ANTEXT75** - 75' Antenna Extension Kit, Includes **SLE-ANT** Antenna, 75' Coax Type N male to MINI-UHF male terminated cable and SMA M to MINI-UHF F Adaptor

IMPORTANT: DO **NOT** ALTER OR ADD COAXIAL CABLE! DO **NOT** PLACE ANTENNA WITHIN 4 FEET OF OTHER LARGE METAL OBJECTS.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