



Harnett
COUNTY
NORTH CAROLINA



Emergency Services Department
www.harnett.org

Fire Marshal Division

P.O. Box 370
Lillington, NC 27546
910-893-7580

Application for Plan Review

Application # _____ - _____

Date Received: _____ Received By: _____

Name of Project: Layton Baptist Church Sanctuary

Physical Address of Project: 1230 Anderson Creek School Rd

Spring Lake NC 28390

Plans Submitted By: Chris Mercer, Gill Security

Project Phone: (910)- 922 - 3460

Contact Person/Address: 818 Ramsey Street

Fayetteville, NC 28301

Contact Phone: (910)- 584 4740 (910)- 433 2868

Contractor's Name/Info: Gill Security, Inc

818 Ramsey S, Fayetteville 28301

Contractor's Phone: (910)- 433 2868

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website <http://htweb.harnett.org/Click2GovBP/Index.jsp> or by calling the Harnett County Central Permitting Office (910-893-4759), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.



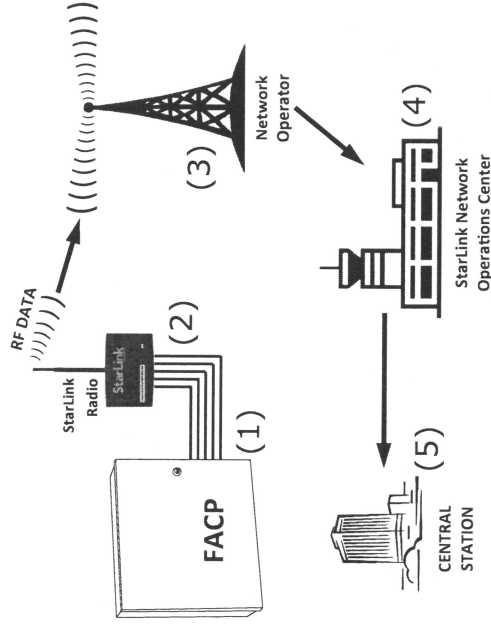
INTRODUCTION

The StarLink™ models **SLE-CDMA-FIRE / SLE-GSM-FIRE** and **SLECDMA-CFB / SLE3/4G-CFB** are fully supervised, sole path approved, commercial cellular fire alarm communicators supported by an extensive nationwide wireless network. Both models are compatible with most 12 or 24VDC Fire Alarm Control Panels with low standby and transmit current draw that allows them to be powered directly from the FACP. Both models are approved for use as sole path primary Fire Alarm communications or as a backup to existing telephone lines. In backup mode, the units will automatically switch the communication channel from the telephone line to the network when a telephone line trouble is detected. For Commercial installations, mount the unit to a single-, dual-, or three-gang electrical box and route the wires through the back knockout(s), or as specified by local codes. **See W12140 for programming information.**

STARLINK RADIO REPORTING PATH

The diagram below shows the transmission path of a signal from the StarLink radio to the central station.

- 1. Signal from a Control Panel.**
- StarLink** radio receives the signal transmission (from the TIP an RING wires); sends RF signal through the GPRS network operator.
- Network Operator**, part of the vendor system, a section of the cellular spectrum.
- SLE Network Operations Center**, receives / routes data.
- Central Station.**



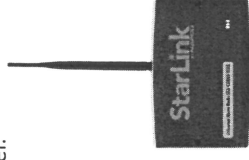
SLE-CDMA-FIRE SLE-GSM-FIRE SLECDMA-CFB SLE3/4G-CFB

Commercial Fire Series Alarm Communicators Submittal Data Sheet

The SLE Series radios use proprietary data-capture technology that captures the alarm report from the control panel and transmits the alarm signals to the SLE Network Operations Center; the alarm signals are then forwarded to ANY central station via Contact ID or Sur-Gard System II via TCP/IP using standard line security. The SLE Network Operations Center reports a trouble signal in the event that the network does not receive the expected supervision signal from the wireless communicator. In addition, all models are powered directly from the control panel.

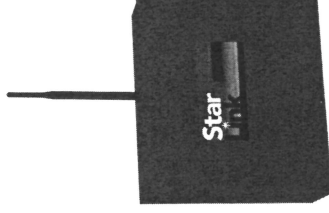
SLE-CDMA-FIRE/SLE-GSM-FIRE

Commercial / Residential Fire and Burglary CDMA / GSM radio in red plastic enclosure. Rated 12/24VDC input.



SLECDMA-CFB / SLE3/4G-CFB

Commercial / Residential Fire and Burglary CDMA / GSM radio in red metal housing. Powered directly from the control panel, rated 12/24VDC input.



FIRE ALARM COMPATABILITY

The StarLink™ models **SLE-CDMA-FIRE / SLE-GSM-FIRE** and **SLECDMA-CFB / SLE3/4G-CFB** communicators are compatible with any FACP that has a regulated 12 or 24VDC output with sufficient standby current to provide 71mA in standby mode, and 200mA in transmit mode (momentary). The FACP must be equipped with a DACT that transmits central station reports in Contact ID or 4/2 central station formats. The control panel may also trigger communication events through the use of FACP dry contacts connecting the (3) radio inputs, capable of transmitting (4) distinct alarm and trouble event reports to the central station.

ADDITIONAL COMPONENTS

In addition to the models listed above, the following accessories are available and permitted by UL:

SLE-DLCBL - Download Cable, 6 feet.

SLE-ANTEXT - Extended antenna with 15 feet of cable.

Note: Use the SLE-ANTEXT or any other External Antenna intended for the 824-894MHz and 1850-1990MHz bands.

SPECIFICATIONS

The following applies to all StarLink radio models unless otherwise stated:

Electrical Ratings (all models powered by control panel)

- Input Voltage: 12-25VDC regulated (power-limited output from Listed control panel)
- Input Current: 71mA with peak RF transmission current of 200mA

Electrical Ratings for the IN 1 Burg/Fire Input:

- Input Voltage: 9-15VDC regulated. **Note:** Models are rated 9-25VDC input
- Maximum Input Current: Up to 2mA from FACP NAC circuit

Electrical Ratings for IN 2 and IN 3:

- Maximum Loop Voltage: 15VDC. **Note:** Models are rated max 25VDC input
- Maximum Loop Current: 1.2mA
- End of Line Resistor (EOLR) Value: 10K (2 req'd)

Electrical Ratings for 3 PGM Outputs:

- Open Collector Outputs: Maximum Voltage 3V when active; 15V maximum when not active. **Note:** Models are rated max 25VDC output

- Maximum PGM Sink Current: 50mA (up to 15VDC), 25mA (15.1VDC - 25VDC)

Plastic Housings Physical

- W x H x D: 8 x 5⁻²⁹/₆₄ x 1½" (20.3 x 13.9 x 3.8cm)
- Mounting: Plastic housing includes 3 keyhole slots for mounting to single-, dual-, or three-gang electrical boxes

Metal Housings Physical

- W x H x D: 1½ x 9½ x 3½" (29.2 x 24.1 x 8.9cm)
- Mounting: Metal housing includes two keyhole slots for wall mounting (see WI for measurements)

Environmental

- Operating Temperature: 0°C - 49°C (32°F - 120°F)
- Humidity: Maximum 93% Non-Condensing
- Indoor / dry location use only



AGENCY LISTINGS

- UL864 9th Edition: Commercial Fire
- UL985: Household Fire Warning System Units
- UL1023: Household Burglar Alarm System Units
- UL1610: Central Station Burglar Alarm Units
- NFPA 72 National Fire Alarm Code
- CSFM: California State Fire Marshall (Fire Systems Only)
- NYCFD: NYC Fire Department (Fire Systems Only), COA #6213

CDMA models are Verizon® Network Certified
3/4G models are AT&T Accepted / Certified

NOTICE TO AUTHORITIES HAVING JURISDICTION, USERS, INSTALLERS, DEALERS, AND OTHER AFFECTED PARTIES			
FIRE PROGRAMMING OPTION	PERMITTED IN UL864? (Y/N)	AVAILABLE SETTINGS	REQUIRED UL 864 SETTINGS
Unattended Remote Downloading	No	Enable / Disable	Disabled (Jumper 1 installed). Also required for Commercial / Burglary installations. Note: See Installation Instructions section "Configuration Download / Firmware Updates" for jumper instructions.
IN2 and IN3 Unsupervised	No	Supervised / Unsupervised	Supervised (Jumpers 4 and 5 installed)
Radio Path Supervision	No	200 seconds, 5 minutes, 60 minutes, 7 days	200 seconds (UL 864 / UL 1610), 5 minutes (UL 864 9th edition), 60 minutes (UL 864 10th edition), 7 days (UL 985 / UL 1023)

*For Commercial Fire installations, a UL Listed Fire Alarm regulated power supply or FACP regulated auxiliary output is required.