

Telecommunication Peripheral Products  
**Technical Practice**

**LSR-1**  
Line Seizure Relay  
December 15, 1997

## Your Emergency Device can Share a Line with Your Phone System

Why pay for a dedicated line for your elevator/emergency phone or alarm panel?

The **LSR-1** Line Seizure Relay allows the user to share an existing phone line with an emergency phone or other priority alarm device. This can save hundreds of dollars a year over leasing a dedicated phone line.

The **LSR-1** can be used on any C.O. line or analog PABX/KSU station.



**Important:** When the emergency device is in use, the phone line is not available for normal use. Any additional emergency calls will have to be made on another phone line. For this reason the **LSR-1** is not recommended for single line applications.

<http://www.VikingElectronics.com>

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### Features

- Interrupts any call in progress and returns fresh dial tone to the emergency phone
- Modular connections for easy installation
- Operates on any 12 - 32V DC power source
- 12V DC adapter provided
- During power outages the line is connected directly to the emergency device
- Off hook detection LED for emergency device port
- Handy test button to simulate an emergency device off hook

**Made in the U.S.A.**

### Applications

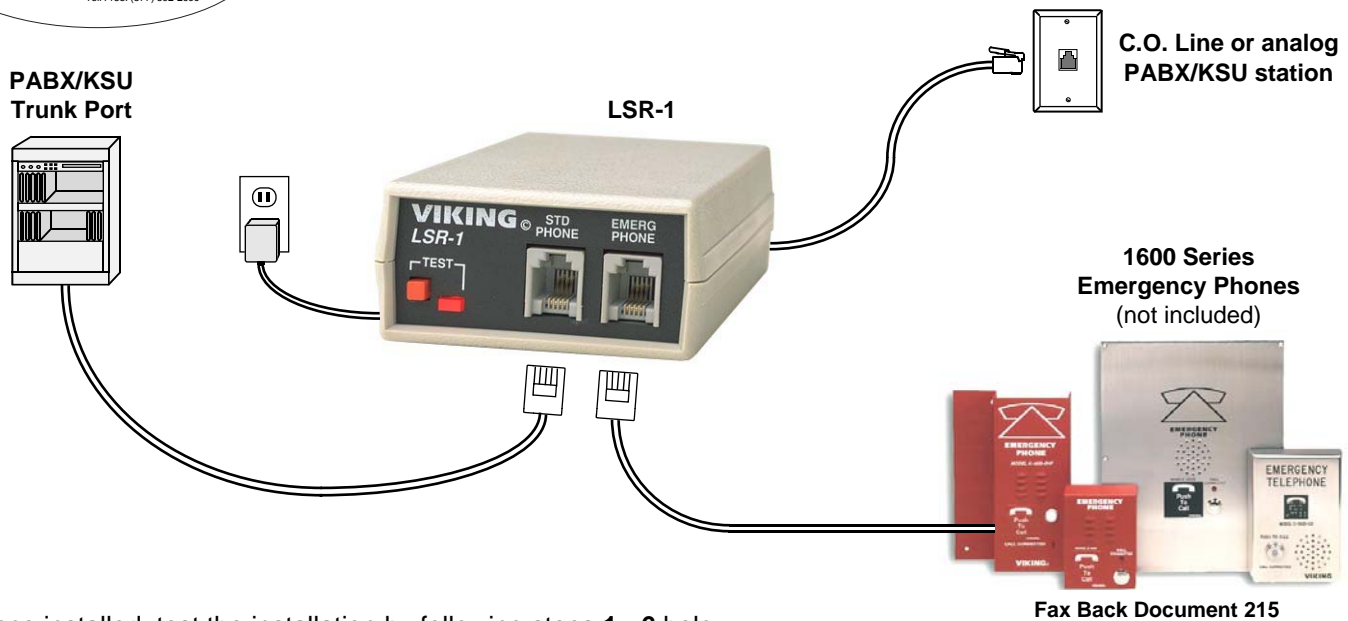
- Emergency phones in elevators, hallways, parking ramps, etc.
- Security systems or alarm panels with dialers
- Cash machines, credit card readers or any other device that requires instant access to a phone line

**Sales...(715) 386 - 8861**

### Specifications

**Power:** 120V AC/12V DC, 500mA UL listed adapter provided  
**Dimensions:** 119mm x 36mm x 71mm (4.7" x 1.4" x 2.8")  
**Shipping Weight:** .45 kg (1 lb)  
**Environmental:** 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity  
**Talk Battery:** 32V DC  
**Connections:** (2) RJ11 jacks, (1) RJ11 plug

# Installation/Programming



Once installed, test the installation by following steps 1 - 6 below:

1. Make an outbound call on the device connected to the **STD PHONE** port.
2. While maintaining the first call come "off hook" with the device connected to the **EMERG PHONE** port. The first call should be interrupted and the device connected to the **EMERG PHONE** port should receive fresh dial tone.
3. Hang up the devices on both ports.
4. Call the line attached to the **LSR-1** and verify that ring is passing to the **STD PHONE** port.
5. Unplug power to the **LSR-1**.
6. Come off-hook with the device connected to the **EMERG PHONE** port and verify that the dial tone is returned.

**Note:** Due to the two second access time for fresh dial tone, emergency phones should be programmed with a 4 second pause in the beginning of the dialing string.

## Operation

The **LSR-1** Line Seizure Relay allows a standard phone line, analog PABX station, or Centrex loop start line to be shared with an emergency phone, alarm system or any other telecom device that needs instant access to a phone line. When the emergency device comes off hook, the line is disconnected for two seconds to access fresh dial tone, then reconnected to the emergency device.

The **LSR-1** connects the incoming phone line to the device connected to the **STD PHONE** port. The **EMERG PHONE** port is supplied with internally generated 32V DC talk battery. When an "off hook" condition is sensed at the **EMERG PHONE** port, an internal relay breaks the connection to the **STD PHONE** and holds both devices off the line simulating a two second hang up. Another relay then connects the **EMERG PHONE** to the incoming line. The emergency device receives fresh dial tone and is now able to dial out.

All incoming calls are routed to the **STD PHONE** port unless power is removed from the **LSR-1**. To program or call into a device connected to the **EMERG PHONE** port, disconnect the power to the **LSR-1** and call into the unit.

**Product Support Line...(715) 386-8666**

**Fax Back Line...(715) 386-4345**

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