

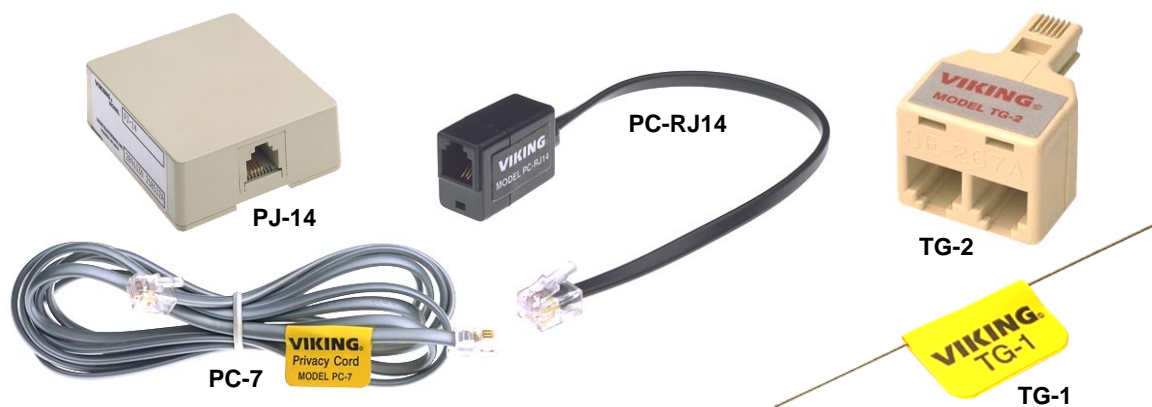
# VIKING<sup>®</sup>

Telecommunication Peripheral Products  
**Technical Practice**

**Teleguard<sup>®</sup>**  
Privacy Devices

June 26, 1997

## Prevent Interruptions in Voice Communications as well as Fax and Data Transmissions!



Viking's **Teleguard<sup>®</sup>** privacy devices prevent your phone calls or fax and modem transmissions from being interrupted if someone accidentally picks up another extension. **Teleguard<sup>®</sup>** devices can also secure against internal eavesdropping by any other extension equipped with a **Teleguard<sup>®</sup>** device.

Viking's **Teleguard<sup>®</sup>** products protect the device that accesses the telephone line first by denying other **Teleguard<sup>®</sup>** equipped devices access to the line until the call in progress has been terminated.

Incoming calls will ring all devices simultaneously, but the device that answers first denies any other **Teleguard<sup>®</sup>** equipped device access.

### Features

### Applications

- Line powered
- Modular or punch-down installable
- One and two line devices
- Compatible with analog lines with 12V DC or higher talk battery
- Transparent operation
- Made in the U.S.A.

**Prevent interruptions and replace dedicated phone lines for:**

- Point-of-sale terminals
- Modems
- Fax machines
- Home and business telephones
- Credit card machines

**World Wide Web...<http://www.VikingElectronics.com>**

**E-mail...[Sales@VikingElectronics.com](mailto:Sales@VikingElectronics.com)**

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

Sold by:



# Specifications and Installation

Viking offers six variations of **Teleguard**® privacy devices: the **PC-7**, **PC-RJ14**, **PJ-14**, **TG-1**, **TG-2** and **TG-3**. Each is designed for specific applications. The following sections describe the products and their applications including proper installation and specifications.

**Note:** All **Teleguard**® devices should be installed as close as possible to the communication device you are protecting to avoid line imbalance.

## PC-7

The **PC-7** is a seven foot modular cord with **Teleguard**® privacy built in. Designed to replace a standard single line modular cord, the **PC-7** is ideal for telephones, fax machines or modems.

**Power:** Phone line powered (25V-100V DC "on-hook" talk battery, 10mA-100mA )

**Dimensions:** 2.13 m (7 ft.)

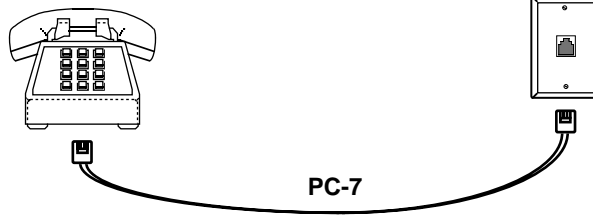
**Environmental:** -26° C to 54° C (-15° F to 130° F) with 5% to 95% non-condensing humidity

**Shipping Weight:** 57 g (2 oz)

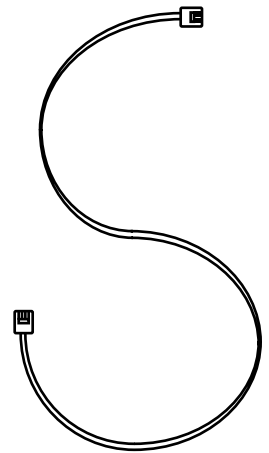
**Connections:** RJ-11 male plugs

### Installation

Single Line  
Phone, Fax  
Machine or  
Modem



PC-7



## PC-RJ14

The **PC-RJ14** features one or two lines of **Teleguard**® protection built into a two line (RJ-14), male to female extension cord (see **Two Line Phone Applications** for details).

**Power:** Phone line powered (25V-100V DC "on-hook" talk battery, 10mA-100mA )

**Dimensions:** 25.4 cm (10 inches)

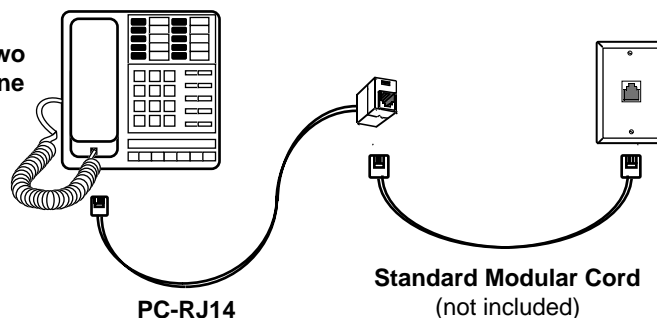
**Environmental:** -26° C to 54° C (-15° F to 130° F) with 5% to 95% non-condensing humidity

**Shipping Weight:** 57 g (2 oz)

**Connections:** RJ-14 male and female

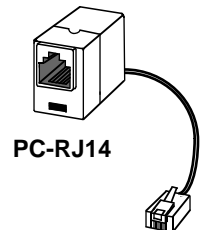
### Installation

One or Two  
Line Phone



PC-RJ14

Standard Modular Cord  
(not included)



PC-RJ14

# PJ-14

The **PJ-14** provides one or two lines of **Teleguard®** protection built into a wall mountable RJ-14 jack.

**Power:** Phone line powered (25V-100V DC "on-hook" talk battery, 10mA-100mA )

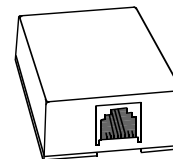
**Dimensions:** 5.1 cm x 5.7 cm x 2.2 cm (2" x 2.25" x .875")

**Environmental:** -26° C to 54° C (-15° F to 130° F) with 5% to 95% non-condensing humidity

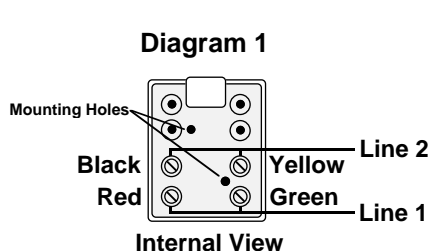
**Shipping Weight:** 115 g (4 oz)

**Connections:** RJ-14 female plug

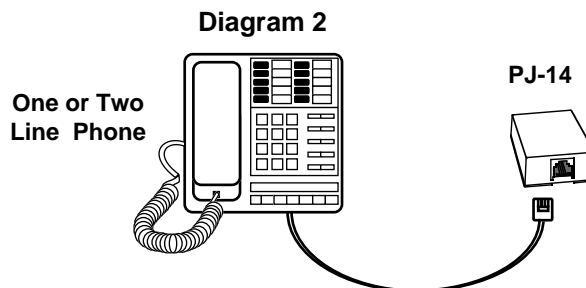
**PJ-14**



1. Pry the cover off of the **PJ-14** using a screwdriver in the appropriate housing slots.
2. Connect line 1 to the terminal screws with red and green wires (See **Diagram 1** below).
3. Connect line 2 to the terminal screws with yellow and black wires (See **Diagram 1** below).
4. Mount the **PJ-14** base to a wall using the two wood screws and mounting holes provided (See **Diagram 1** below).
5. Replace the cover of the **PJ-14**.



## Installation



# TG-1 and TG-3

The **TG-1** and **TG-3** provide single line **Teleguard®** protection ideal for punch down or terminal block installation.

**Power:** Phone line powered (**TG-1** - 25V-100V DC "on-hook" talk battery, 10mA-100mA **TG-3** - 12-24V DC "on-hook" talk battery, 10mA-100mA)

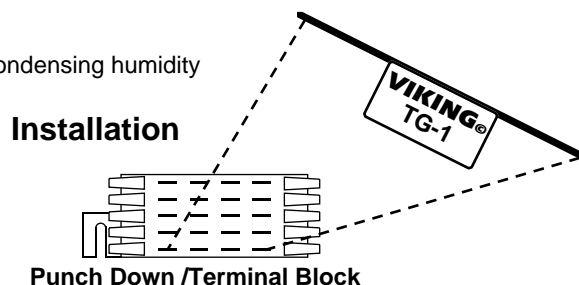
**Dimensions:** 6.35 cm (2.5")

**Environmental:** -26° C to 54° C (-15° F to 130° F) with 5% to 95% non-condensing humidity

**Shipping Weight:** 28 g (1 oz)

**Connections:** Punch down/terminal block

**Note:** For runs between the **TG-1/TG-3** and the device that are greater than a few feet, line imbalance may occur. To correct this, add a second **TG-1** or **TG-3** to the opposite side of the line.



# TG-2

The **TG-2** installs modularly and provides **Teleguard®** protection for two devices from a single line RJ-11 "T" adapter.

**Power:** Phone line powered (25V-100V DC "on-hook" talk battery, 10mA-100mA )

**Dimensions:** 2.54 cm x 3.81 cm x 2.2 cm (1" x 1.5" x .875")

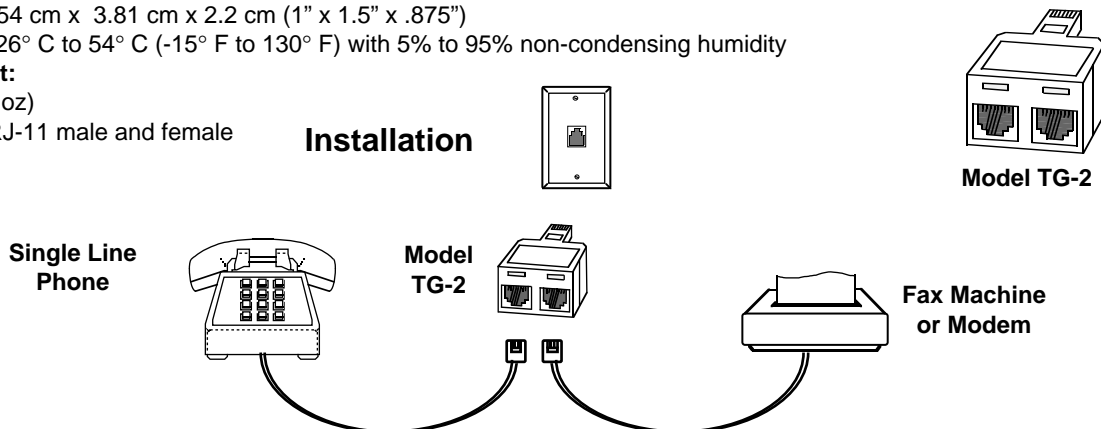
**Environment:** -26° C to 54° C (-15° F to 130° F) with 5% to 95% non-condensing humidity

**Shipping Weight:**

**Weight:** 57 g (2 oz)

**Connections:** RJ-11 male and female

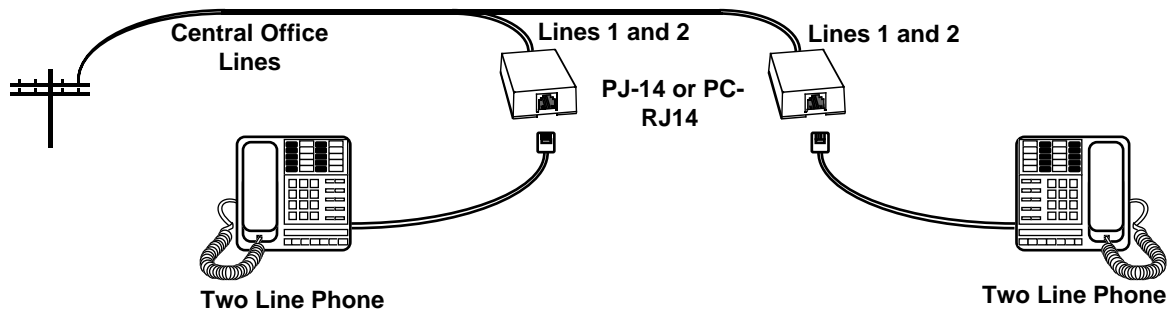
## Installation



# Two-Line Phone Applications

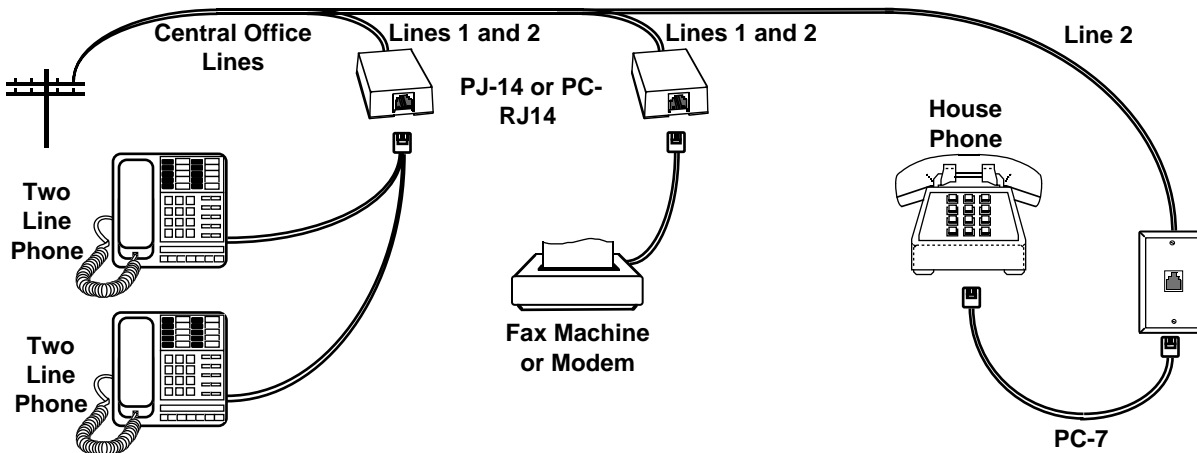
## A. Two Line Phone Applications where "Hold" Feature is not Required

In this application, the two-line phones cannot interrupt or eavesdrop on each other. However, the hold feature will not work between the phones. If you wish to transfer a call between phones, one phone must pick up the line and wait for the opposite phone to hang up.



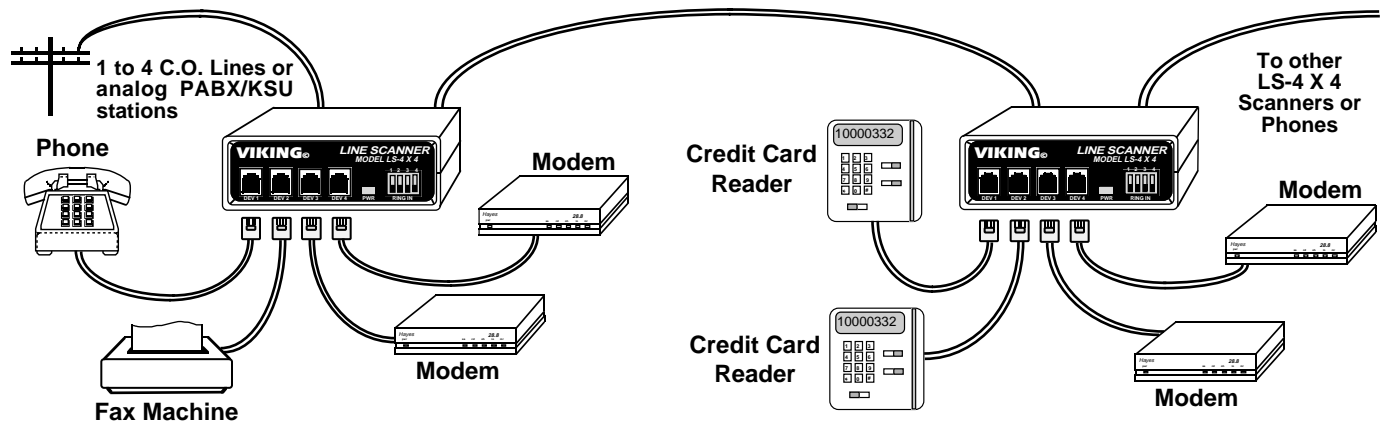
## B. Two Line Phone Applications where "Hold" Feature may be Required

In this application the two-line phones cannot interrupt the fax or house phone while the house phone or fax cannot interrupt each other or the two-line phones. The two-line phones may transfer calls between themselves and use the hold feature, but can also interrupt each other.



## 1-4 Line Privacy & Line Scanning

For multiple lines, Viking has also introduced the LS-4x4 Line Scanner. The LS-4x4 will allow 4,8,12... modems, credit card machines, etc. to share 1-4 lines. For more information, retrieve Fax Back Document 270.



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

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

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