

Telecommunication Peripheral Products

Technical Practice

TS-1
Single Line
Telephone System

April 20, 1998

Add Phone System Features to Your Single Line Home or Office Phones

The TS-1 is an inexpensive solution for adding transfer, intercom, and "music on hold" features to your single line home or small office phones.

The TS-1 produces seven unique ring patterns. By assigning these patterns to each party, the individuals are alerted to answer their unique ring cadence.

To transfer a call, simply dial the party's extension number you wish to reach (1 - 7) and hang up. The caller is then placed on hold to be answered by the individual when their ring cadence is recognized. To move a conversation to another phone, simply dial 8 and hang-up. The call is placed on hold until picked up by another extension. A music input port is available to provide "music on hold."

The internal intercom is used by dialing the individual's extension number twice (11 - 77), hanging up, and listening for the phones to stop ringing, queuing you that the desired party has answered. Then simply pick up the phone to join your caller. During intercom use, a "call waiting" tone is generated to signal an incoming call.



<http://www.VikingElectronics.com>

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Features

- Works with existing house wiring (no rewiring or home runs required)
- Music-on-hold
- Transfer
- "Meet me" intercom
- Seven unique transfer/intercom ring cadences to alert each individual of waiting calls
- Compatible with C.O. provided services such as Caller ID and Call Waiting
- Compatible with Viking's door entry systems (Fax Back Document 822)

Sales...(715) 386 - 8861

Made in the U.S.A.

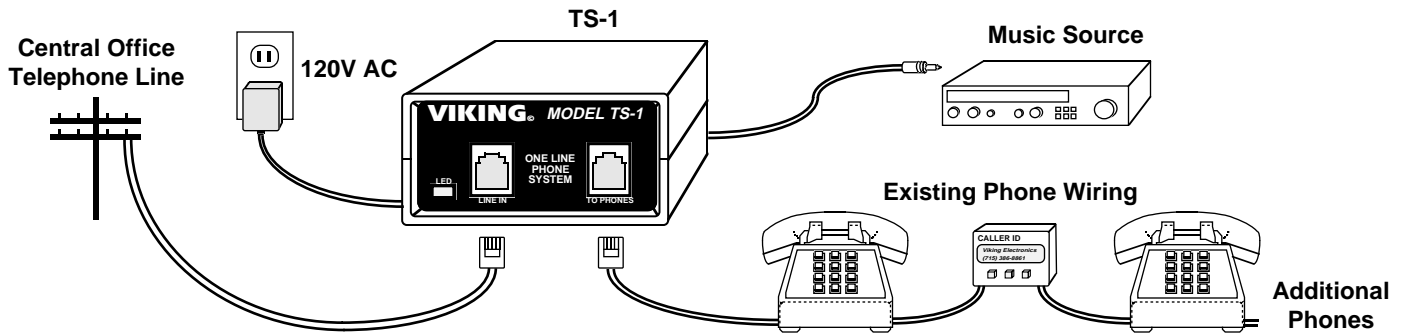
Applications

- Add phone system features such as transfer, intercom and "music on hold" to your single line residential or business phones:
 - Transfer or intercom calls to other rooms, garages, home offices, etc.
 - Transfer or intercom calls to other offices, warehouses, the production floor, etc.
- Simulate voice mail features by re-ringing your existing answering machine

Specifications

- Power:** 120V AC/13.8V AC, 1.25A Adapter provided
- Dimensions:** 119mm x 71mm x 36mm (4.7" x 2.8" x 1.4")
- Shipping Weight:** 0.45 Kg (1 lb)
- Environmental:** 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity
- Ring Output:** 9.0 REN, capable of ringing (9) 1.0 REN phones
- Intercom Talk Battery:** 32V DC
- Connections:** (2) RJ11 jacks, (1) 5.5 ft cord with 3.5mm (1/8") plug

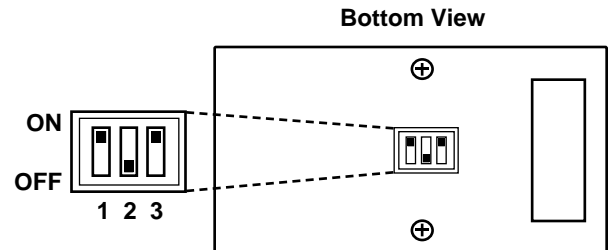
Installation



Note: Some electronic phones may not ring in the actual unique ringing pattern.

Programming

DIP Switch	ON/OFF	Description
1	ON	To gain access to C.O. dial tone, dial 9
	OFF	For use with private dial tone (phones will instantly have dial tone)
2	OFF	Should remain OFF
3	ON	Normal ringing power
	OFF	Increased ringing power



Note: Momentarily power down the unit when changing switch positions.

Operation

A. Ring Patterns

Each party will be assigned a unique ringing extension number. To transfer a call, dial that extension number (1 - 7) then hang up. Use the chart provided to the right to record the appropriate information.

Name	Ext	Ring Pattern
_____	1	Single
_____	2	Double
_____	3	Three short
_____	4	Double - Double
_____	5	One long and two short
_____	6	Short - long - short
_____	7	Two short - one long

B. Call Hold

To place a call on hold, dial **8**, then hang-up.

C. "Meet Me" Intercom

Pick up any phone or while on a phone call, dial the extension number twice (**11 - 77**), then hang-up. Listen for the phones to stop ringing (queuing you that desired party has answered) then pick up the phone to join your caller.

D. Conference

During an intercom, a call on hold may be conferenced in by dialing **8**.

E. Call Waiting

While using the intercom, a call waiting tone (two fast beeps) will be given to indicate an incoming phone call. You may dial **8** to answer the call or hang up the phones and allow the call to ring in.

F. To Access the Outside Line

To access the outside line, dial **9** (see Programming, DIP Switch 1 above).

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

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

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