FEDERAL SIGNAL CORPORATION

# Station Level Paging Adapter

## Model 300PBX-SC

## LINKS TELEPHONE TO SELECTONE® OR PUBLIC ADDRESS SYSTEM

- Paging by calling a dedicated extension
- Powered by a phone line connection
- Type 1 enclosure
- FCC Approved

The 300PBX-SC telephone system interface allows access from a PABX (Private Automatic Branch Exchange) to a SelecTone® system or centrally amplified paging system. A single standard RJ11 modular jack is the only input required.

The 300PBX-SC is assigned a dedicated line in place of a telephone. By dialing the extension to which the 300PBX-SC is connected, direct paging access is made to the SelecTone command unit. When the connection is made, a tone is sounded both in the phone and the SelecTone® speaker amplifiers. The 300PBX-SC will automatically disconnect when the dial tone is heard or after the pre-determined time limit has expired.

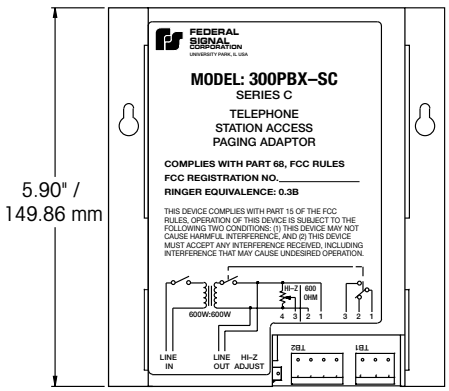
The Model 300PBX-SC includes both an audio output and a double-throw relay circuit to activate the music mute or other function during page. The audio output is a 600 ohm balanced line for direct connection to an audio amplifier. A high impedance output with level adjust is also provided. The controls can adjust the Alert Tone Level, Paging Access Time, Dial Tone Sensitivity and Dial Tone Trip Time.

The cadmium-plated housing can be mounted to most surfaces by means of a #6 screw through the holes in the mounting flanges.

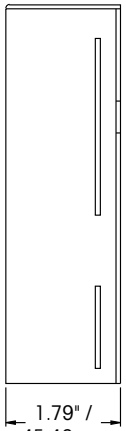
Federal Signal's 300PBX-SC Station Level Paging Adapter saves money by linking an existing phone system to a public address system or SelecTone system.

5 yr FEDERAL SIGNAL WARRANTY

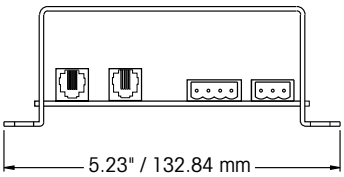
## STATION LEVEL PAGE ADAPTER (300PBX-SC)



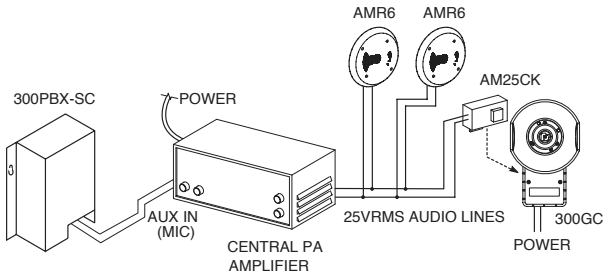

TOP VIEW

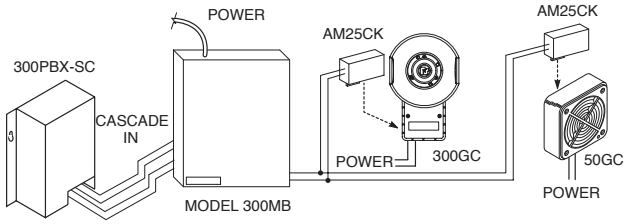


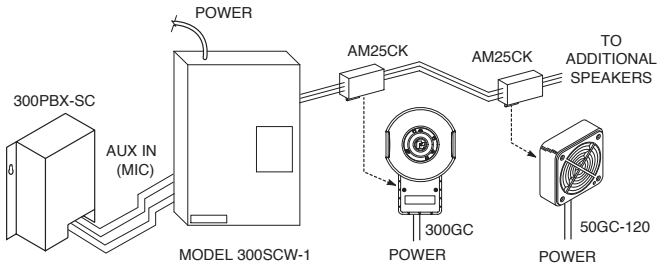

SIDE VIEW




FRONT VIEW




* 300PBX is also compatible with Models 300VSC-1 and 300SCW-1

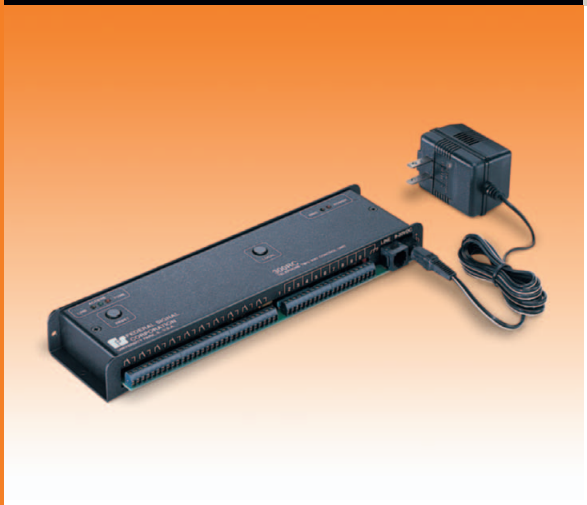
## SPECIFICATIONS

| **Input:** | | |
|---|---|---|
| Connector: | | RJ-11 or RJ-13 |
| Ringer Equivalence: | | 1.3 B |
| Ring Detection: | | 15.3 Hz to 68 Hz @ 40-150 V |
| Loop Current: | | 90mA max |
| Alert Tone Frequency: | | 600Hz |
| Dial Tone Frequency: | | 350Hz |
| Page Access Time: | | 5 to 30 seconds |
| Shipping Weight: | 2.0 lbs. | 0.9 kg |
| Height: | 6.125" | 15.6 cm |
| Width: | 3.0" | 7.6 cm |
| Depth: | 1.25" | 3.2 cm |

| **Output:** | |
|---|---|
| Connector: | RCA Unbalanced Screw Terminals |
| Impedance: | Hi-Z (22W min.) 600W |
| Level: | -5.0 dB w/ internal termination |
| | -0.5 dB no termination |
| Relay Ratings: | SPDT, 1A contacts |
| Controls: | Output Levels, Alert Tone Level Dial Tone Sensitivity, Dial Tone, Trip Delay, Page Access Time |

## HOW TO ORDER

- Specify model number
- Please refer to Model Number Index 300PBX-SC beginning on page 377



# Telephone Activated Remote Control

## Model 300RC

## ACTIVATES SIGNALS FROM A TOUCH-TONE PHONE

- Magnetic latching relays hold contact closure until reset
- User-selectable access code provides security
- LED status indicators
- Unique tones indicate status and prompt commands for remote access
- Terminal block connections
- UL Listed power supply

The Federal Signal 300RC provides remote control of ten single-pole/double-throw (SPDT) relays and remote monitoring of ten external switch contacts or logic levels. The 300RC is simple to understand, easy to install, secure and effective.

The Model 300RC is connected to a phone line with a standard 6-position modular cable. At the time of installation, a security access code is recorded directly into the 300RC via dip-switches. After the third ring on the line, the 300RC will answer and prompt the user to enter the user-defined access code. If the wrong code is entered four times, the device hangs up.

Entry of the access code is followed by a command prompt. The user can check the status of ten switch contact inputs through easily distinguishable audio tones. Once status is determined, the user can turn the switches on or off remotely via the touch-tone keypad of their telephone.

When the 300RC is wired directly to Federal Signal SelecTone® panels (300VSC-1 and 300SCW-1), it is possible to remotely activate the tone signals. The 300RC can also be used to activate messages from the 300MB pre-recorded message units.

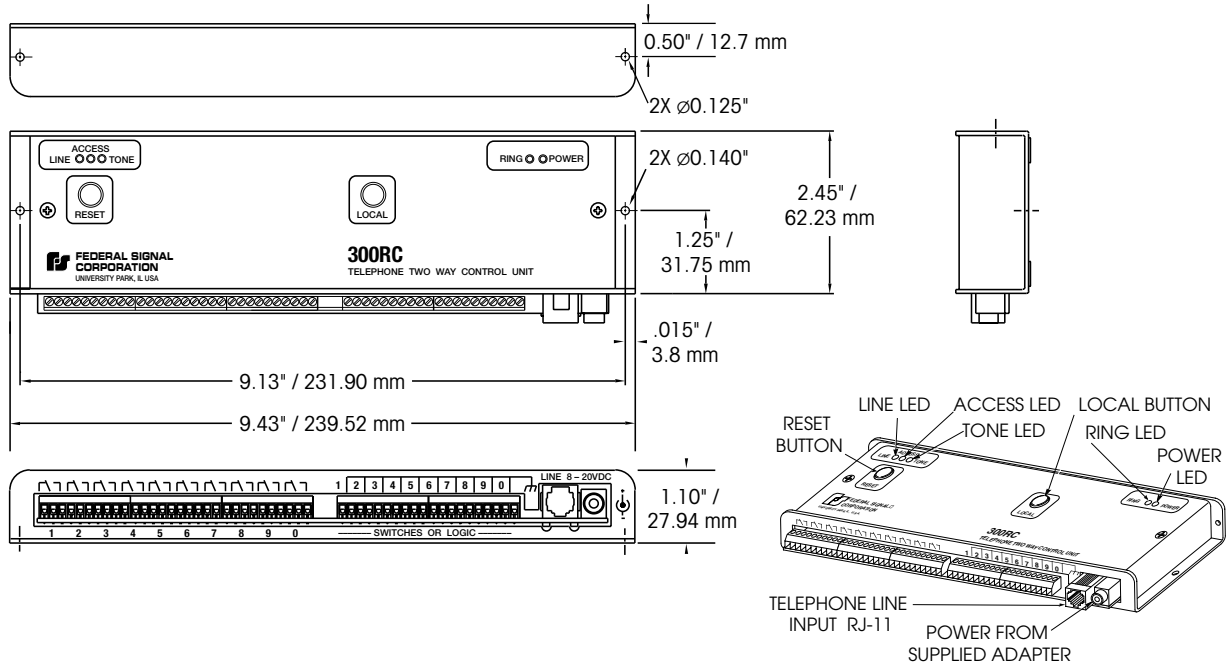
In addition to initiating control panel inputs, the 300RC can be used to activate relays which control the power to audible visual signals or other devices.

Mounting holes on the cover include two #8 holes on the end flanges or two holes on the narrow flanges for mounting on a $1\frac{3}{4}$-inch rack panel.

The 300RC is ideal for applications where it is difficult or costly to run dedicated control wiring to remote devices, or where the convenience of telephone activation or monitoring is desired. For those facilities that have existing PBX wiring, the phone system can now be utilized as a means of signal activation and status monitoring.

5 yr FEDERAL SIGNAL WARRANTY

## TELEPHONE ACTIVATED REMOTE CONTROL (300RC)




## RELAY COMMANDS

| | |
|---|---|
| 0 | Pressing keys 0 - 9 will turn on relays 0 - 9. As long as the key is pressed, the associated relay will stay on. |
| # 0 | Pressing the pound sign key followed by the numeric key will latch the associated key on. |
| # # 0 | Pressing the pound sign key twice followed by the numeric key will latch the associated relay off. |
| # # # | Pressing the pound sign key three times will turn all relays off. |

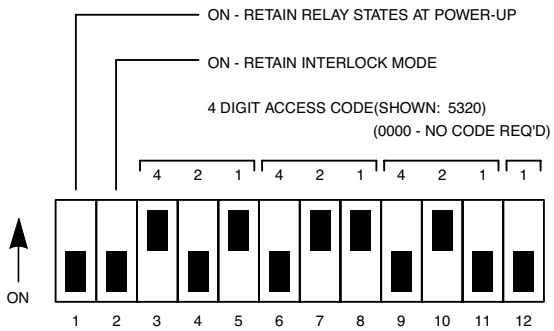
## STATUS REQUEST COMMANDS

| | |
|---|---|
| * 0 | Pressing the star sign key followed by a numeric key will poll the status of the associated input channel. |
| * * 0 | Pressing the star sign key twice followed by the numeric key will indicate if the status of an input has changed since the last call. |
| * * * 0 | Pressing the star sign key three times followed by the numeric key will poll the status of the associated relay. |

## MISC

| | |
|---|---|
| * * * * | Pressing the star sign key four times will cancel a command. |
| * # * | Unconditionally hang up |

## TOGGLE SWITCH FOR ACCESS CODE




## SPECIFICATIONS

| | | |
|---|---|---|
| Size: | 9.5" x 2.5" x 1" | |
| | 24.1 x 6.4 x 2.5 (cm) | |
| Relay Contact: | SPDT 2A Resistive 50VDC | |
| Power: | 8-15VDC@50mA (110VAC adapter supplied) | |
| Net Weight: | 1.20 lbs. | 0.54 kg |
| Shipping Weight: | 1.85 lbs. | 0.84 kg |

## HOW TO ORDER

- Specify model number
- Please refer to Model Number Index 300RC beginning on page 377

2645 Federal Signal Dr., University Park, IL 60484 Tel: 708.534.4756 Fax: 708.534.4852 www.federalsignal-indust.com

# TelCom® Telephone Extension Ringer Device

Model TELB

## DESIGNED FOR USE WITH A TELEPHONE

- Available in 120VAC
- Bell signals an incoming call
- Activated by ringing voltage (analog telephone only)
- Type 1 enclosure
- CSA Certified
- FCC Approved
- UL Listed for indoor use

Federal Signal's TELB TelCom® Extension Ringer Device is a vibrating bell which is activated by the ringing signal of a telephone system. The TELB is specifically designed for use with an analog telephone. The ringing signal of 40-150VAC, 16-60Hz and local 120VAC power is all that is required to activate a TelCom signal.

This TelCom device is intended to be mounted on a vertical surface such as a rigid wall or post. The TELB has a three-conductor six-foot, 120VAC power cord extending from the unit. Connecting the TelCom device to the telephone network is done by running a modular telephone line cord (RJ11) to an existing jack or a duplex jack (customer supplied) into an existing modular jack. The TELB is designed with a durable zinc die-cast housing painted with gray powder coat enamel, and features an internal solid-state relay.

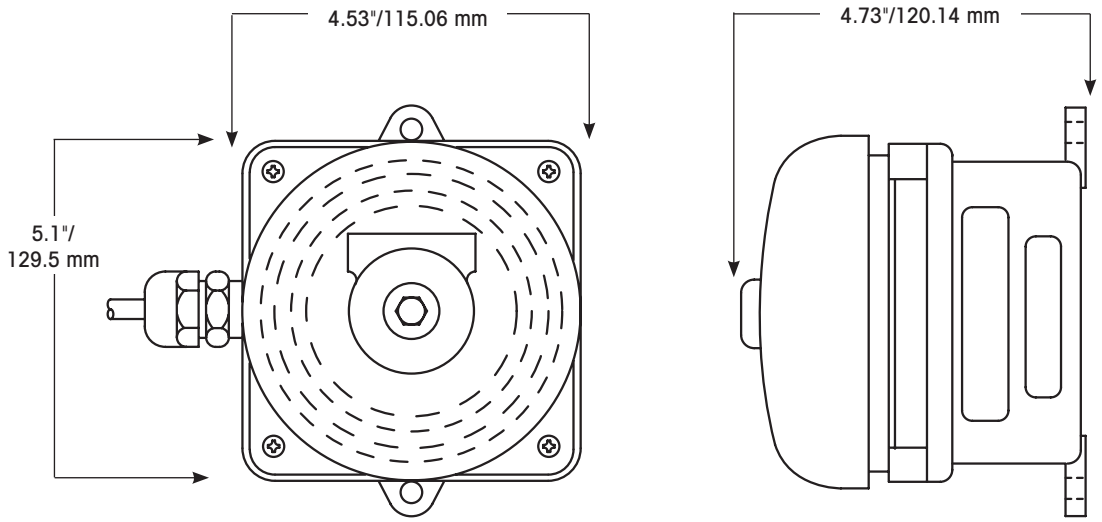
Telcom devices are designed for high ambient noise areas such as manufacturing facilities, machine and sheet metal shops. They are also useful in large open areas such as a warehouse, loading dock, or a large office.

This four-inch bell produces a 98dB signal @ 10' (108dB @ 1m).

| Model | Voltage | Operating Current | Decibels @ 10' | Decibels @ 1m |
|---|---|---|---|---|
| **TELB** | 120VAC | 0.08 amps | 98 | 108 |

5 yr FEDERAL SIGNAL WARRANTY

## TELEPHONE EXTENSION RINGER DEVICE (TELB)




### SPECIFICATIONS

| | | |
|---|---|---|
| Operating Temperature: | 32°F to 112°F | 0°C to 44°C |
| Ringing Signal: | 90VAC, 20Hz | 90VAC, 20Hz |
| Ring Detection: | | 15.8-60Hz, 40-150VAC |
| Humidity Range (Storage and Operating): | | 0 to 85% R.H, noncondensing |
| FCC Ringer Equivalence Number (REN): | | 1.0B |
| Net Weight: | 2.6 lbs. | 1.18 kg |
| Shipping Weight: | 3.2 lbs. | 1.45 kg |
| Height: | 5.1" | 129.5 mm |
| Width: | 4.53" | 115.06 mm |
| Depth: | 4.73" | 120.14 mm |

### HOW TO ORDER

- Specify model number
- Please refer to Model Number Index TELB beginning on page 377

### REPLACEMENT PARTS

| ***Description*** | ***Part Number*** |
|---|---|
| PCBA, TelCom | K200C1047D |


# TelCom® Telephone Extension Ringer Device

## Model TELC

## DESIGNED FOR USE WITH A TELEPHONE

- Available in 120VAC
- Horn and strobe signals an incoming call
- Activated by ringing voltage (analog telephone only)
- Type 1 enclosure
- CSA Certified
- FCC Approved
- UL Listed for indoor use

Federal Signal's Model TELC Extension Ringer Device is a horn and strobe combination signal which is activated by the ringing signal of a telephone system. The TELC is specifically designed for use with an analog telephone. The ringing signal of 40-150VAC, 16-60Hz and local 120VAC power is all that is required to activate a TelCom signal.

This TelCom® device is intended to be mounted on a vertical surface such as a rigid wall or post. The TELC has a three-conductor, six-foot, 120VAC power cord extending from the unit. Connecting the TelCom device to the telephone network is accomplished by running a modular telephone line cord (RJ11) to an existing jack or a duplex jack (customer supplied) into an existing modular jack. The TELC is designed with a durable zinc die-cast housing painted with gray powder coat enamel, and feature an internal solid-state relay.

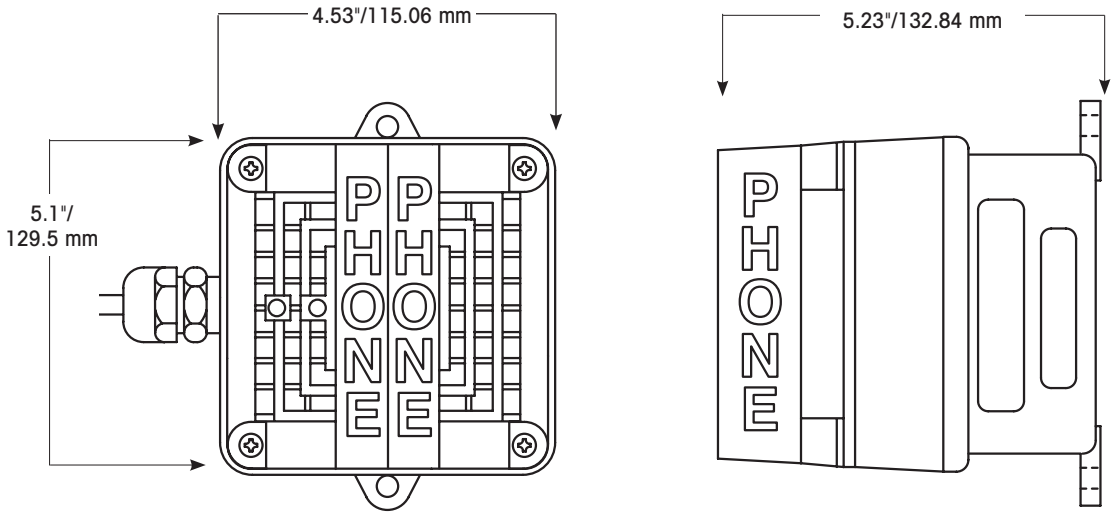
This combination audible/visual signal features the Vibratone horn and a three-dimensional strobe to notify when the telephone rings.

Telcom devices are designed for high ambient noise areas such as manufacturing facilities, machine and sheet metal shops. They are also useful in large open areas such as a warehouse, loading dock or a large office.

| Model | Voltage | Operating Current | Decibels @ 10' | Decibels @ 1m |
|---|---|---|---|---|
| **TELC** | 120VAC | 0.24 amps | 100 | 110 |

5 yr FEDERAL SIGNAL WARRANTY

## TELEPHONE EXTENSION RINGER DEVICE (TELC)




### SPECIFICATIONS

| | | |
|---|---|---|
| Operating Temperature: | 32°F to 112°F | 0°C to 44°C |
| Ringing Signal: | 90VAC, 20Hz | 90VAC, 20Hz |
| Ring Detection: | | 15.8-60Hz, 40-150VAC |
| Humidity Range (Storage and Operating): | | 0 to 85% R.H, noncondensing |
| FCC Ringer Equivalence Number (REN): | | 1.0B |
| Net Weight: | 3.0 lbs. | 1.36 kg |
| Shipping Weight: | 3.4 lbs. | 1.54 kg |
| Height: | 5.1" | 129.5 mm |
| Width: | 4.53" | 115.06 mm |
| Depth: | 5.23" | 132.84 mm |

### HOW TO ORDER

- Specify model number
- Please refer to Model Number Index TELC beginning on page 377

### REPLACEMENT PARTS

| ***Description*** | ***Part Number*** |
|---|---|
| PCBA, TelCom | K200C1047D |

# TelCom® Telephone Extension Ringer Device

Model TELH

## DESIGNED FOR USE WITH A TELEPHONE

- Available in 120VAC
- Horn signals incoming calls
- Activated by ringing voltage (analog telephone only)
- Type 1 enclosure
- CSA Certified
- FCC Approved
- UL Listed for indoor use

Federal Signal's TELH Extension Ringer Device is a vibrating horn which is activated by the ringing signal of a telephone system. This device is specifically designed for use with an analog telephone. The ringing signal of 40-150VAC, 16-60Hz and local 120VAC power is all that is required to activate a TelCom® signal.

This TelCom device is intended to be mounted on a vertical surface such as a rigid wall or post. The TELH ringer has a three-conductor six-foot, 120VAC power cord extending from the unit. Connecting the TelCom device to the telephone network is accomplished by running a modular telephone line cord (RJ11) to an existing jack or a duplex jack (customer supplied) into an existing modular jack. The TELH is designed with a durable zinc die-cast housing painted with gray powder coat enamel, and features an internal solid-state relay.

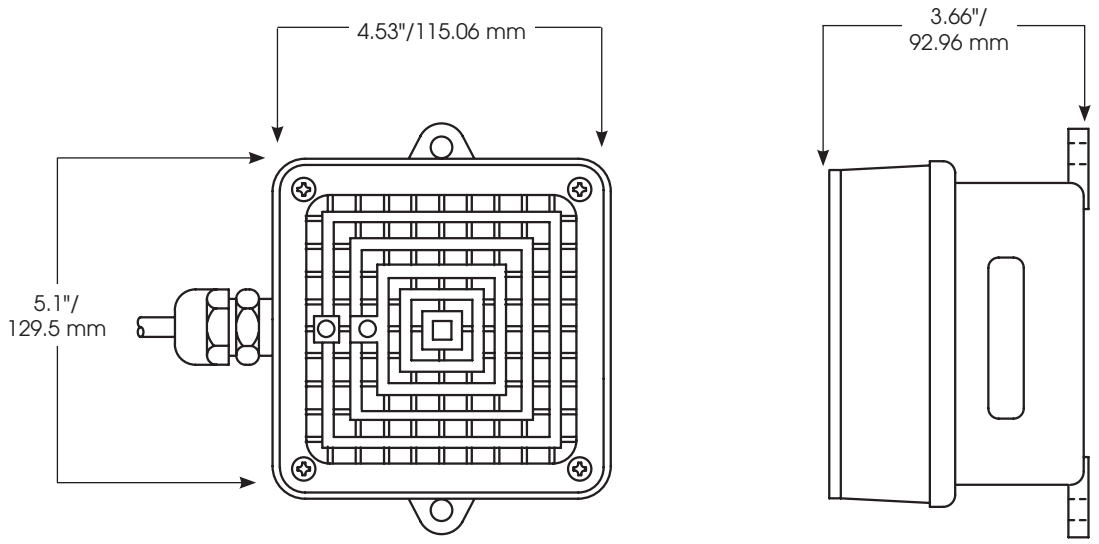
Telcom devices are designed for high ambient noise areas such as manufacturing facilities, machine and sheet metal shops. They are also useful in large open areas such as a warehouse, loading dock or a large office.

This four-inch Vibratone horn has a decibel output of 100dB @ 10' (110dB @ 1m). When an incoming call activates the TELH, it produces an electro-mechanical signal by vibrating a diaphragm.

| Model | Voltage | Operating Current | Decibels @ 10' | Decibels @ 1m |
|---|---|---|---|---|
| **TELH** | 120VAC | 0.18 amps | 100 | 110 |

5 yr FEDERAL SIGNAL WARRANTY

## TELEPHONE EXTENSION RINGER DEVICE (TELH)




### SPECIFICATIONS

| | | |
|---|---|---|
| Operating Temperature: | 32°F to 112°F | 0°C to 44°C |
| Ringing Signal: | 90VAC, 20Hz | 90VAC, 20Hz |
| Ring Detection: | | 15.8-60Hz, 40-150VAC |
| Humidity Range (Storage and Operating): | | 0 to 85% R.H, noncondensing |
| FCC Ringer Equivalence Number (REN): | | 1.0B |
| Net Weight: | 2.8 lbs. | 1.27 kg |
| Shipping Weight: | 3.3 lbs. | 1.5 kg |
| Height: | 5.1" | 129.5 mm |
| Width: | 4.53" | 115.06 mm |
| Depth: | 3.66" | 92.96 mm |

### HOW TO ORDER

- Specify model number
- Please refer to Model Number Index TELH beginning on page 377

### REPLACEMENT PARTS

| ***Description*** | ***Part Number*** |
|---|---|
| PCBA, TelCom | K200C1047D |


# TelCom® Telephone Extension Ringer Device

Model TELS

## DESIGNED FOR USE WITH A TELEPHONE

- Available in 120VAC
- Strobe signals incoming calls
- Activated by ringing voltage (analog telephone only)
- Type 1 enclosure
- CSA Certified
- FCC Approved
- UL Listed for indoor use

Federal Signal's TELS Extension Ringer Device is a compact strobe light which is activated by the ringing signal of a telephone system. The TELS is specifically designed for use with an analog telephone. The ringing signal of 40-150VAC, 16-60Hz and local 120VAC power is all that is required to activate a TelCom® signal.

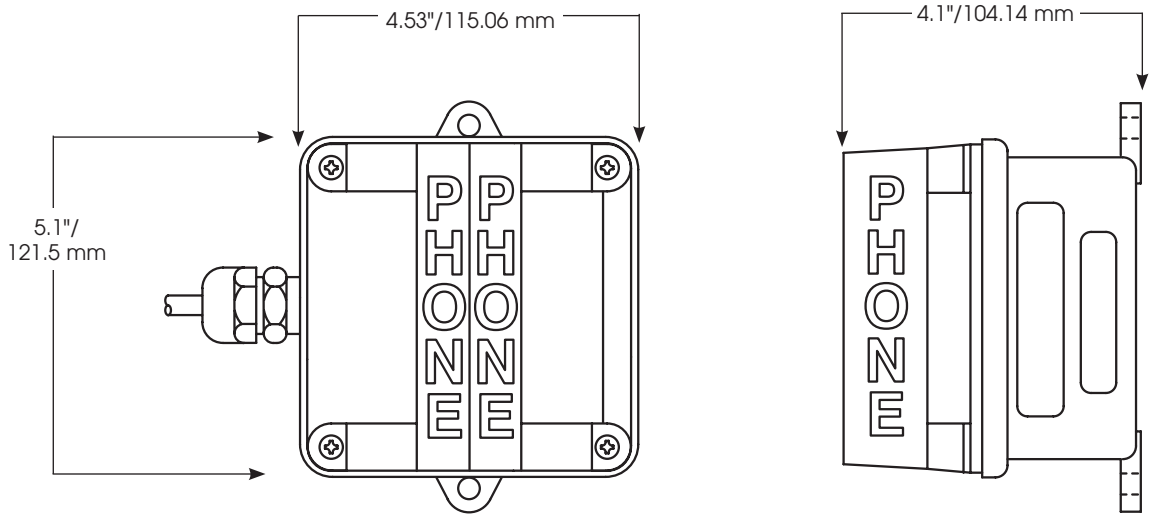
The TelCom device is intended to be mounted on a vertical surface such as a rigid wall or post. TelCom has a three-conductor, six-foot, 120VAC power cord extending from the unit. Connecting the TelCom device to the telephone network is accomplished by running a modular telephone line cord (RJ11) to an existing jack or a duplex jack (customer supplied) into an existing modular jack. The TELS is designed with a durable zinc die-cast housing painted with gray powder coat enamel, and features an internal solid-state relay.

This visual signaling device features a three-dimensional triangular strobe light with the word "PHONE" on each visible surface. The strobe flashes when the telephone rings.

| Model | Voltage | Operating Current |
|---|---|---|
| **TELS** | 120VAC | 0.06 amps |

5 yr FEDERAL SIGNAL WARRANTY

## TELEPHONE EXTENSION RINGER DEVICE (TELS)




### SPECIFICATIONS

| | | |
|---|---|---|
| Operating Temperature: | 32°F to 112°F | 0°C to 44°C |
| Ringing Signal: | 90VAC, 20Hz | 90VAC, 20Hz |
| Ring Detection: | | 15.8-60Hz, 40-150VAC |
| Humidity Range (Storage and Operating): | | 0 to 85% R.H, noncondensing |
| FCC Ringer Equivalence Number (REN): | | 1.0B |
| Net Weight: | 1.6 lbs. | 0.73 kg |
| Shipping Weight: | 2.2 lbs. | 1.0 kg |
| Height: | 5.1" | 129.5 mm |
| Width: | 4.53" | 115.06 mm |
| Depth: | 4.1" | 104.14 mm |

### HOW TO ORDER

- Specify model number
- Please refer to Model Number Index TELS beginning on page 377

### REPLACEMENT PARTS

| ***Description*** | ***Part Number*** |
|---|---|
| PCBA, TelCom | K200C1047D |