



CIT-40 Telephone

CIR-41 Ringdown Telephone

The CIT-40 & CIR-41 Ringdown are rugged telephones designed to provide safe reliable communication in locations prone to abuse and vandalism.

# CIT-40 Correctional Institute Telephone

# CIR-41 Correctional Institute Ringdown Telephone

### FEATURES and BENEFITS

- 16 AWG steel, zinc dichromate plated and powder coated
- Faceplate secured with vandal resistant screws
- Vandal resistant metal keypad, standard 3 x 4 matrix
- High impact ABS handset with lock on caps
- Surge arrestor and fuse prevents damage to the electronic circuits in the event of a high voltage spike on the telephone line
- Noise reducing microphone aids in clarity of transmission in noisy areas
- Factory set to tone (DTMF) dialing
- Pulse dialing can be ordered or configured in the field
- Armored handset cord withstands vandalism and severe use
- Hearing-aid compatible with inductively coupled hearing-aid devices
- Reduced handset cord length

### APPLICATIONS

These telephones are designed for use in locations that are prone to physical abuse and vandalism such as:

- Correctional Facilities
- Airport Security Areas
- Transit Fare Kiosks
- and more . . .
- Secured Areas Within Institutions
- Security/Information Areas
- Secure Reception Areas

### INSTALLATION and CONNECTABILITY

To provide flexibility and the potential for growth, Guardian's CIT-40 & CIR-41 telephones can be easily and economically connected to any telephone network through standard wiring and parts. Voice quality is unaffected when phones are connected within 15,000 feet (~ 4,600 meters) of a main telephone switch supporting single line telephones. Meeting safety standards may require special wiring conduits or other considerations. Telephones are tone/pulse switchable. Initial settings are to tone prior to delivery ( unless requested otherwise ). In-service switching may require technical assistance.

### Options

- Noise cancelling dynamic microphone
- Ringer for CIT-40

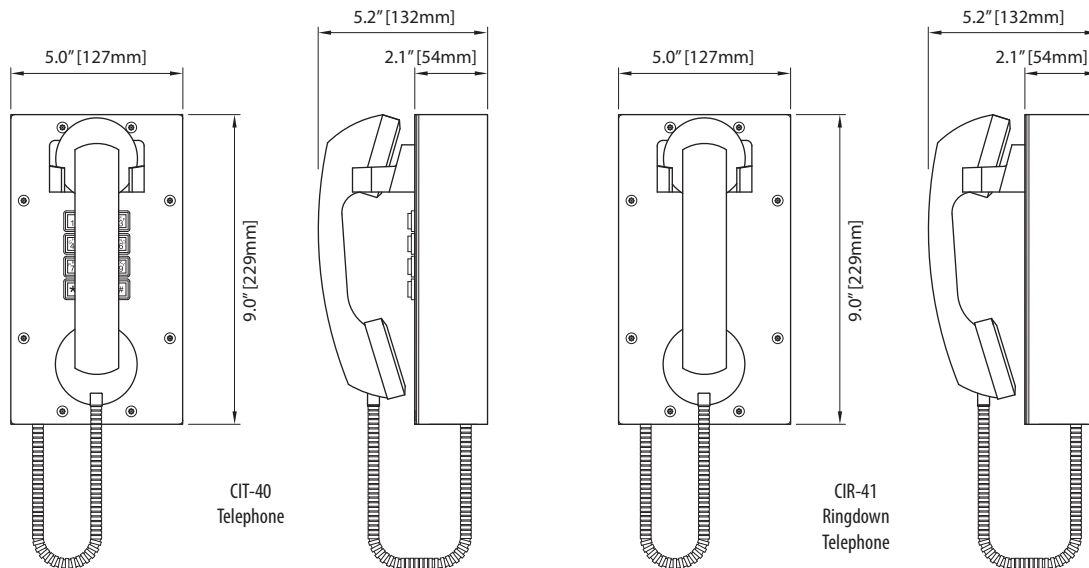
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Telecom Inc.

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## OVERALL DIMENSIONS



CIT-40 & CIR-41 Ringdown – Correctional Institute Telephones

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method – CIT-40	DTMF or 40/60 Pulse @10 PPS
Connection Method – CIR-41	Hotline Operation
Transmit Objective Loudness Rating (TOLR)	-40 +/- 3 dB
Receiver Objective Loudness Rating (ROLR)	Typical 47 +/- 3 dB
Side Tone Objective Loudness Rating (SOLR)	Typical 10 +/- 4 dB
Ringer Output (CIR-41 only)	>85 dB
FCC Ringer Equivalence	0.8 B
Set Impedance	600 Ohms Nominal
Maximum Loop	15Kft (~4,600m) of 22 AWG Wire

### ELECTRICAL REQUIREMENTS

Ringer Sensitivity	40 -100 V, 16 - 25 Hz
Line Voltage	24 - 56 VDC
Loop Current	20 - 120 mA
Connection Method	Terminal Strip or RJ Connectors

### ENVIRONMENTAL

Waterproof Enclosure	CSA Type 3R
Temperature	-76° to +176°F (-60° to +80°C)
Humidity	0 - 100% RH
Dust & Corrosion Resistant	Full Gasket Faceplate

### MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Construction	16 Ga Steel
Finish	Zinc Dichromate Plated & Powder Coated
Net Weight	4 lbs ( 1.8 kg )
Shipping Weight	5.5 lbs ( 2.5 kg )
Shipping Dimensions ( L x W x D )	15.0" x 5.0" x 11.5" ( 381 x 127 x 293 mm )
Hand Set Construction	High Impact ABS
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Microphone (Optional)	Noise Cancelling Dynamic
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel
Wiring Access	Rear Opening 1.5" x 1.5" ( 38 x 38 mm )

### ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P6969	CIT-40 Correctional Institute Telephone
P6978	CIR-41 Correctional Institute Ringdown Telephone
<i>Options</i>	
NC	Noise Cancelling Dynamic Microphone
FB	Ringer for CIT-40

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Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.

**Guardian**  
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