

# CI SERIES

## Correctional Institute Telephone



CIT-40 Telephone

CIR-41 Ringdown Telephone

### CI SERIES OUTDOOR/INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

- CIT-40 Metal Keypad/Armored Handset Cord
- CIR-41 Direct Call Ringdown/Armored Handset Cord

### 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 Polycarbonate 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
- Short 16" handset cord to reduce the chances of the handset being used as a club or chocking device
- Lift the CIR-41 handset and PBX programming or an optional Auto Dialer routes the call to its assigned location

### APPLICATIONS

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

- |                         |                                   |
|-------------------------|-----------------------------------|
| Correctional Facilities | Secured Areas Within Institutions |
| Airport Security Areas  | Security/Information Areas        |
| Transit Fare Kiosks     | Secure Reception Areas            |
| Public Access Areas     | Public Safety Purposes            |
- and more . . .

### CI RANGE OF TELEPHONES

Guardian's CI RANGE meets the demanding requirements of sites that are prone to abuse and inclement weather. Rated for Rugged and High Noise Areas.

### CI SERIES OF TELEPHONES

Guardian's CIT/CIR SERIES are rugged telephones designed to provide safe, reliable communication in Correctional locations prone to abuse and vandalism. The rugged nature of CIT/CIR telephones reduces overall costs to the Correctional Facilities as they are not constantly repairing or replacing these telephones in hostile environments.

### 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. Guardian telephones are tone/pulse switchable. Initial settings are to tone prior to delivery (unless requested otherwise). In-service switching may require technical assistance.

### Options

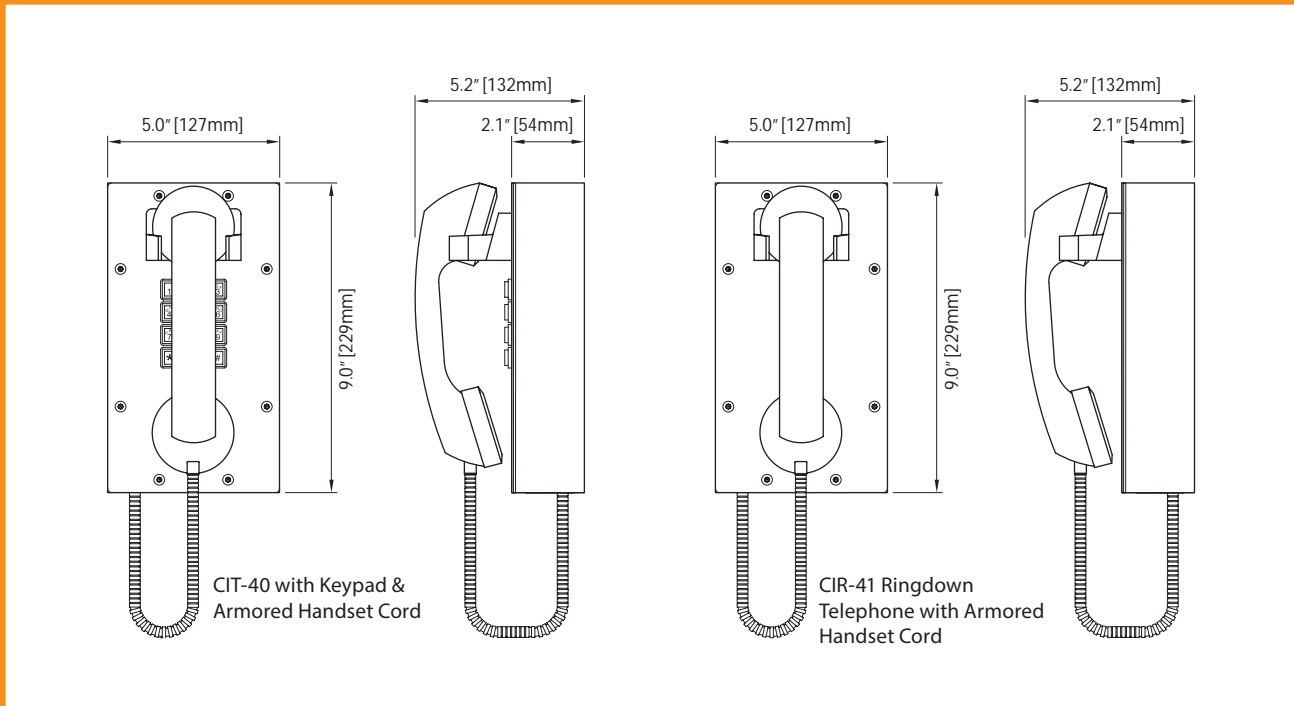
- NC – Noise cancelling dynamic microphone
- AD – Auto Dialer
- FB – Ringer for CIT-40



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## OVERALL DIMENSIONS



CIT-40 Correctional Institute Telephone • CIR-41 Correctional Institute Ringdown Telephone

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response  
 Dialing Method – CIT-40  
 Connection Method – CIR-41  
 Transmit Objective Loudness Rating (TOLR)  
 Receiver Objective Loudness Rating (ROLR)  
 Side Tone Objective Loudness Rating (SOLR)  
 Ringer Output  
 (CIR-41 only)  
 FCC Ringer Equivalence  
 Set Impedance  
 Maximum Loop

300 - 3400 Hz  
 DTMF or 40/60 Pulse @10 PPS  
 Hotline Operation  
 -40 +/- -3 dB  
 Typical 50 +/- 3 dB  
 Typical 11 +/- 4 dB  
 >85 dB  
 0.8 B  
 600 Ohms Nominal  
 15Kft ( ~4,600m ) of 22 AWG Wire

### ELECTRICAL REQUIREMENTS

Ringer Sensitivity  
 Line Voltage  
 Loop Current  
 Connection Method

40 -100 V, 16 - 25 Hz  
 24 - 56 VDC  
 20 - 120 mA  
 Terminal Strip or RJ Connectors

### ENVIRONMENTAL

Waterproof Enclosure  
 Operating temp:  
 Storage Temp:  
 Humidity  
 Dust & Corrosion Resistant

CSA Type 3R  
 -40° to +140°F ( -40° to +60°C )  
 -58° to +176°F ( -50° to +80°C )  
 0 - 100% RH  
 Full Gasket Faceplate

### MECHANICAL SPECIFICATIONS

Hook Switch ( Cradle Switch ) Life  
 Construction  
 Finish  
 Net Weight  
 Shipping Weight  
 Shipping Dimensions ( L x W x D )  
 Hand Set Construction  
 Mounting  
 Microphone  
 Microphone (Optional)  
 Receiver  
 Hardware Material  
 Wiring Access

>1 000 000 Operations  
 16 Ga Steel  
 Zinc Dichromate Plated & Powder Coated  
 4 lbs ( 1.8 kg )  
 5.5 lbs ( 2.5 kg )  
 15.0" x 5.0" x 11.5" ( 381 x 127 x 293 mm )  
 High Impact Polycarbonate  
 Vertical Wall  
 Noise Reducing Electret  
 Noise Canceling Dynamic  
 Hearing Aid Compatible  
 Stainless Steel  
 Rear Opening 1.5" x 1.5" ( 38 x 38 mm )

### ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6969	CIT-40 Correctional Institute Telephone/Armored Handset Cord
P6978	CIR-41 Correctional Institute Ringdown Telephone/Armored Handset Cord

Options	Description
NC	Noise Cancelling Dynamic Microphone
AD-CIR	Auto Dialer for CIR
AD-CIT	Auto Dialer for CIT
FB	Ringer for CIT-40

Distributed by:



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