

# CIT CIR SERIES

## Correctional Institute Telephone



### CIT CIR 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

- 14 gauge corrosion protected steel enclosure with powder coat finish.
- Faceplate secured with vandal resistant screws.
- Vandal resistant metal keypad, standard 3 x 4 matrix.
- High Impact Polycarbonate handset with lock on caps.
- Surge arrester and fuse prevents damage to the electronic circuits in the event of a high voltage spike on the telephone line.
- Connection: RJ11 & Terminal Post.
- 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.
- Short 16" Armored handset cord with rugged 360° swivel (anti-ligature design).
- Lift the CIR-41 handset and PBX programming or an optional Auto Dialer routes the call to its assigned location.
- ADA Compliant.

### 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.

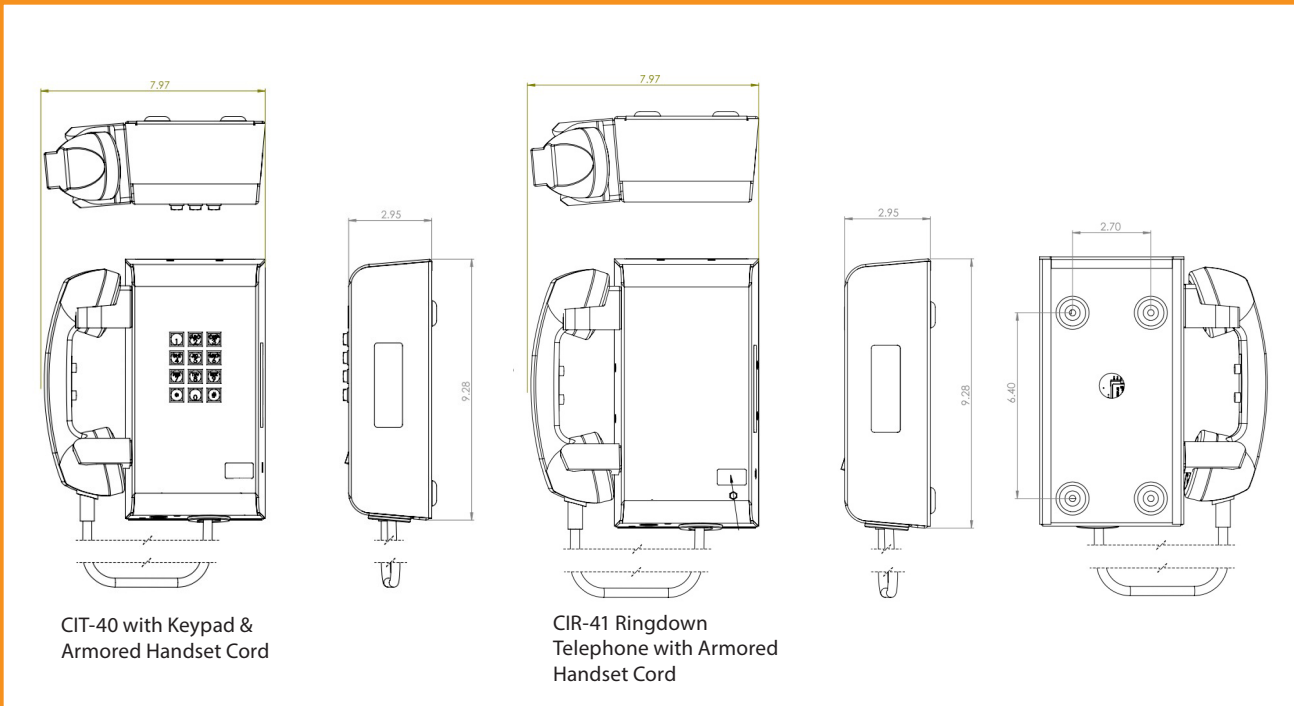
### INSTALLATION and CONNECTABILITY

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

## OVERALL DIMENSIONS



CIT-40 with Keypad & Armored Handset Cord

CIR-41 Ringdown Telephone with Armored Handset Cord

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  
 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

### ENVIRONMENTAL

Ingress Protection  
 Operating temp  
 Storage Temp  
 Humidity

NEMA  
 -40° to +140°F ( -40° to +60°C )  
 -58° to +176°F ( -50° to +80°C )  
 0 - 100% RH

### ELECTRICAL SPECIFICATIONS

Ringer Sensitivity  
 Line Voltage  
 Loop Current  
 Microphone  
 Microphone (Optional)  
 Receiver

40 -100 V, 16 - 25 Hz  
 24 - 56 VDC  
 20 - 120 mA  
 Noise Reducing Electret  
 Noise Canceling Dynamic  
 Hearing Aid Compatible

### MECHANICAL SPECIFICATIONS

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

>1 000 000 Operations  
 14 Guage  
 Corrosion Resistant, Heavy Duty and 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  
 Vandal Resistant Stainless Steel  
 Rear Opening Diameter 0.87" ( 22mm )

### 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	
NC	Noise Cancelling Dynamic Microphone
AD-CIR	Auto Dialer for CIR
FB	Ringer for CIT-40 Analog

Distributed by:



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