

SCT SERIES

Steel Compact Telephones

SCT SERIES INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

- SCT-10 – Telesal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-20 – Membrane Keypad/Volume Control on Keypad/Heavy Duty Coil Cord
- SCT-30 – Metal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-40 – Metal Keypad/Volume Control Handset/Armored Cord

FEATURES and BENEFITS

- Encapsulated circuit boards impervious to water condensation and dust
- 16 gauge corrosion protected steel enclosure with powder coat finish
- Heavy duty industrial volume control handset on models SCT-10, SCT-30, SCT-40
- Volume control on keypad – SCT-20
- Rust and corrosion resistant stainless steel hardware
- Electret noise reducing microphone
- Magnetic reed hook-switch reduces moving parts subject to wear
- Service temperature range:
 - SCT-10, SCT-30, SCT-40 -76° to +176°F (-60° to +80°C)
 - SCT-20 -40° to +140°F (-40° to +60°C)
- Surge arrestor to prevent voltage spike damage
- Hearing aid compatible
- Electronic ringer for reliability
- Modular parts for easy service

APPLICATIONS

- | | |
|-----------------------------|--------------------------|
| Refineries | Sewage Plants |
| Power Generation Facilities | Drilling Rigs |
| Pulp and Paper Mills | Hydroelectric Facilities |
| Food Processing Plants | Warehouses |
| Chemical Plants | Mines |
| Construction Sites | Greenhouses |
| Cement Plants | and more . . . |

INSTALLATION and CONNECTABILITY

To provide flexibility and the potential for growth, Guardian's SCT 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 ft. (~ 4,600 meters) of a main telephone switch supporting single line telephones. Maintaining safety standards may require wiring conduits or other considerations. Guardian telephones are preset for tone operation, but are tone/pulse switchable. In-service switching may require technical assistance. Order the SCT separately or as part of an integrated system.



SC RANGE OF TELEPHONES

Guardians SC RANGE of Steel Compact Telephones are engineered to deliver reliable, high quality communications in moderately harsh environments, where standard telephones are not suitable. Designed for use in industrial applications and ideal for noisy areas. The SC RANGE was originally designed for use in the harsh conditions of potash mines.

SCT SERIES OF TELEPHONES

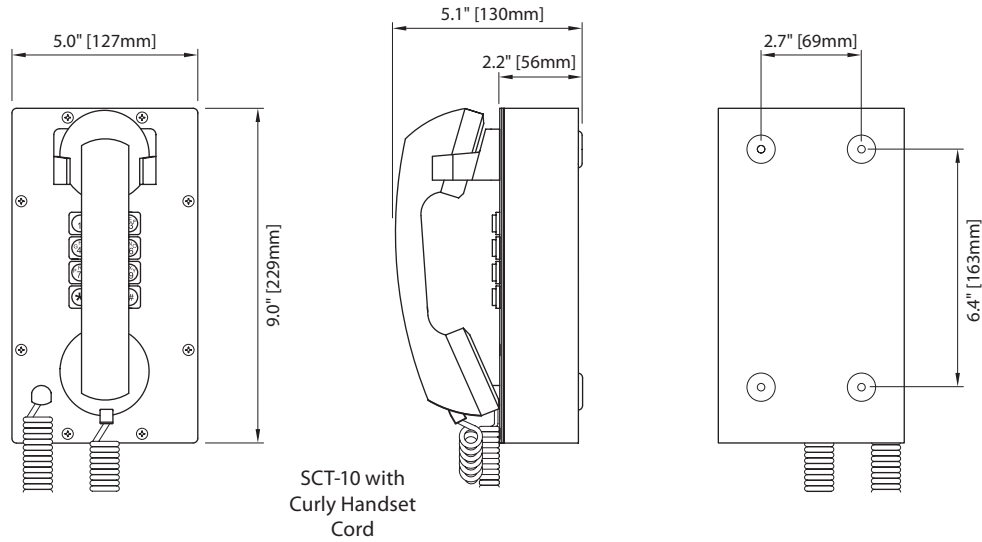
Guardian's SCT SERIES Steel Compact Telephones are designed for harsh environments with special communication needs, ensuring high quality communications under extreme working conditions.



tough. trusted. true.



OVERALL DIMENSIONS



SCT Series Steel Compact Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method	DTMF or 40/60 Pulse @10 PPS
Transmit Objective Loudness Rating (TOLR)	Nominal -38 +/- 3 dB
Receiver Volume Adjustment	3 Steps Up / 2 Steps Down 8.1dB / 5.1 dB
Receiver Objective Loudness Rating (ROLR)	Nominal 50 +/- 3 dB
- receiver volume at maximum	41.9 +/- 3 dB
- receiver volume at minimum	55.4 +/- 3 dB
Side Tone Objective Loudness Rating (SOLR)	Nominal 11 +/- 4 dB
- receiver volume at maximum	7 +/- 4 dB
- receiver volume at minimum	14 +/- 4 dB
Memory Dial	} SCT-20 Only
Flash	
Mute	
Ringer Output	10 Quick Dial Numbers 20 Digits Each
FCC Ringer Equivalence	600 mSec Timed Disconnect
Set Impedance	Press Key to Mute Transmitter
Maximum Loop	>85 dB
	0.8 B
	600 Ohms Nominal
	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 Block / Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Body Construction	16 Ga CRS Steel
Finish	Corrosion Protected & Powder Coated
Net Weight	4.0 lbs (1.81 kg)
Shipping Weight	6.0 lbs (2.72 kg)
Shipping Dimensions (H x W x D)	15.0" x 5.0" x 11.5" (381 x 127 x 293 mm)
Hand Set Construction	High Impact Polycarbonate
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ENVIRONMENTAL

Temperature	SCT-10, SCT-30, SCT-40 -76° to +176°F (-60° to +80°C)
	SCT-20 -40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

Industry Canada/Doc FCC	1012-6721A HQHCAN-22517-TE-E
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ORDERING INFORMATION

Warranty: Three years parts and labor

Order No.	Description
P6960	SCT-10 Telesel Keypad/ Volume Control Handset/Curly Cord
P6270	SCT-20 Membrane Keypad/Volume Control on Keypad/Curly Cord
P6268	SCT-30 Metal Keypad/Volume Control Handset/Curly Cord
P6972	SCT-40 Metal Keypad/Volume Control Handset/Armored Cord
Options	
20C	20' (6.1m) Curly Cord for SCT-20
20VC	20' (6.1m) Curly Cord, Volume Control Handset for SCT-10 & SCT-30
36AVC	36" (.9m) Armored Handset Cord
72AVC	72" (1.8m) Armored Handset Cord
NC	Noise Canceling Microphone
CH	Conduit Hub
RC-SCT	Retainer Clips – must be ordered with phone (standard on SCT-40, not available on SCT-20)
BP-SCT/SCR	Back Plate for SCT/SCR phones

Distributed by:



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