

SCT SERIES

Steel Compact Telephones

SCT SERIES INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

- SCT-10 — Teleseal 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

Public Access Areas	Public Safety Purposes
Universities	Industrial Facilities
Secure Access Entry	Airports
Transit Authorities	Road Networks
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

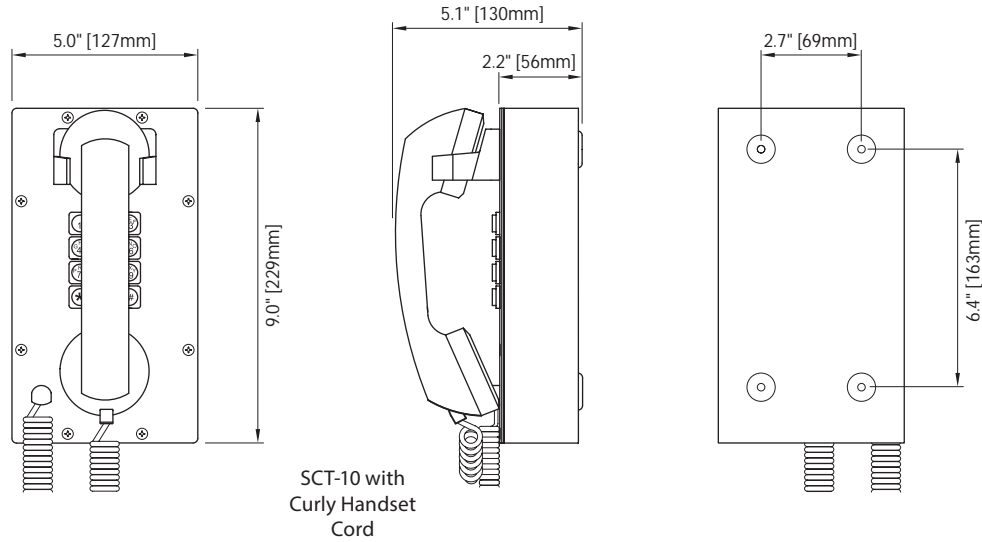
Guardian's SCT SERIES Steel Compact Telephones are designed for harsh environments with special communication needs, ensuring high quality communications under extreme working conditions.



tough. trusted. true.



OVERALL DIMENSIONS



SCT Series Steel Compact Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response
 Dialing Method
 Transmit Objective Loudness Rating (TOLR)
 Receiver Volume Adjustment
 Receiver Objective Loudness Rating (ROLR)
 – receiver volume at maximum
 – receiver volume at minimum
 Side Tone Objective Loudness Rating (SOLR)
 – receiver volume at maximum
 – receiver volume at minimum
 Memory Dial
 Flash
 Mute
 Ringer Output
 FCC Ringer Equivalence
 Set Impedance
 Maximum Loop

300 - 3400 Hz
 DTMF or 40/60 Pulse @10 PPS
 Nominal -38 +/- 3 dB
 3 Steps Up / 2 Steps Down 8.1dB / 5.1 dB
 Nominal 50 +/- 3 dB
 41.9 +/- 3 dB
 55.4 +/- 3 dB
 Nominal 11 +/- 4 dB
 7 +/- 4 dB
 14 +/- 4 dB
 10 Quick Dial Numbers 20 Digits Each
 600 mSec Timed Disconnect
 Press Key to Mute Transmitter
 >85 dB
 0.8 B
 600 Ohms Nominal
 15Kft (~4,600m) of 22 AWG Wire

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)
 0 - 95% RH Non-Condensing
 Full Gasket Faceplate

Humidity

Corrosion Resistant

COMPLIANCE

Industry Canada/Doc
 FCC

1012-6721A
 HQHCAN-22517-TE-E

ELECTRICAL REQUIREMENTS

Ringer Sensitivity
 Line Voltage
 Loop Current
 Connection Method

40 -100 V, 16 - 25 Hz
 24 - 56 VDC
 20 - 120 mA
 Terminal Block / Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life
 Body Construction
 Finish
 Net Weight
 Shipping Weight
 Shipping Dimensions (H x W x D)
 Hand Set Construction
 Mounting
 Microphone
 Receiver
 Hardware Material

>1 000 000 Operations
 16 Ga CRS Steel
 Corrosion Protected & Powder Coated
 4.0 lbs (1.81 kg)
 6.0 lbs (2.72 kg)
 15.0" x 5.0" x 11.5" (381 x 127 x 293 mm)
 High Impact Polycarbonate
 Vertical Wall
 Noise Reducing Electret
 Hearing Aid Compatible
 Stainless Steel

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6960	SCT-10 Teleseal 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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