

SCT-H SERIES

Hazardous Area Steel Compact Telephones

SCT-H SERIES INDOOR INDUSTRIAL ANALOG HAZARDOUS TELEPHONES

- SCT-10-H – Telesal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-20-H – Membrane Keypad/Volume Control on Keypad/Heavy Duty Coil Cord
- SCT-30-H – Metal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-40-H – 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 G type industrial volume control handset on models SCT-10-H, SCT-30-H & SCT-40-H
- Rust and corrosion resistant stainless steel hardware
- Electret noise reducing microphone
- Magnetic reed hook-switch reduces moving parts subject to wear
- Service temperature range -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
- 1/2" NPT Conduit hub

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-H 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 special wiring conduits or other considerations. Telephones are preset for tone operation, but are tone/pulse switchable. In-service switching may require technical assistance. Order the SCT-H 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-H SERIES OF TELEPHONES

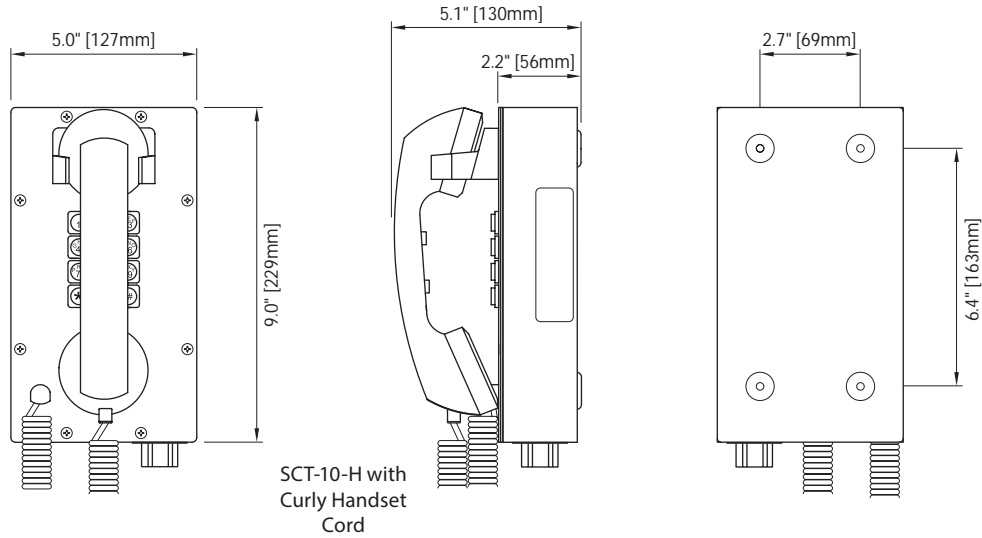
Guardian's SCT-H SERIES Hazardous Area Indoor Industrial Steel Compact analog telephone is designed for use in Class I, Division 2 industrial applications and is ideal for noisy areas.



tough. trusted. true.



OVERALL DIMENSIONS



SCT-H Series Hazardous Area 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 Flash Mute	10 Quick Dial Numbers 20 Digits Each 600 mSec Timed Disconnect Press Key to Mute Transmitter
Ringer Output	>85 dB
FCC Ringer Equivalence	0.8 B
Set Impedance	600 Ohms Nominal
Maximum Loop	15Kft (~4,600m) of 22 AWG Wire

SCT-20-H Only

ELECTRICAL REQUIREMENTS

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

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
Wiring Access	1/2" NPT Conduit Hub

ENVIRONMENTAL

Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

CSA ("C" and "US")
Industry Canada/Doc FCC



CSA 158194
Class I, Div. 2, Groups A, B, C and D
1012-6721A
HQHCAN-22517-TE-E

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6959	SCT-10-H Teleseal Keypad/Curly Cord/Volume Control Handset
P6273	SCT-20-H Membrane Keypad/Curly Cord/Volume Control on Keypad
P6964	SCT-30-H Metal Keypad/Curly Cord/Volume Control Handset
P6965	SCT-40-H Metal Keypad/Armored Cord/Volume Control Handset

Options

20C	20' (6.1m) Curly Cord for SCT-20-H
20VC	20' (6.1m) Curly Cord, Volume Control Handset for SCT-10-H & SCT-30-H
36AVC	36" (.9m) Armored Handset Cord
72AVC	72" (1.8m) Armored Handset Cord
NC	Dynamic Noise Canceling Microphone
RC-SCT	Retainer clips — must be ordered with phone (standard on SCT-40-H, not available on SCT-20-H)
BP-SCT/SCR	Stainless Steel Back / Mounting Plate

Distributed by:



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