

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.



Volume Control Handset on SCT-10-H, SCT-30-H & SCT-40-H

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

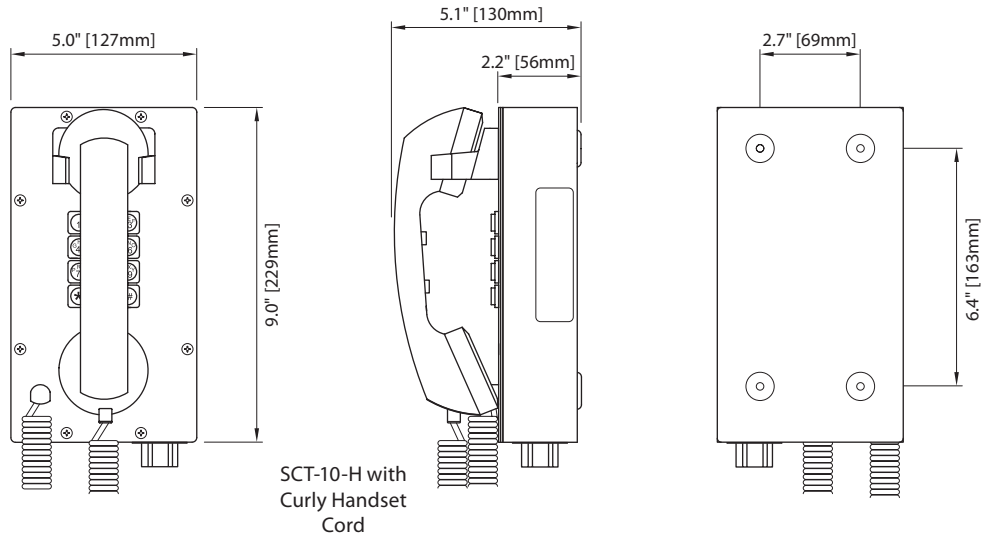
Guardian's SCT-H SERIES Hazardous Area Indoor Industrial Steel Compact analog telephone is designed for use in Class I, Division 2 industrial applications and is ideal for noisy areas.



tough. trusted. true.



OVERALL DIMENSIONS



SCT-H Series Hazardous Area Steel Compact Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response

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

SCT-20-H
Only

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

Humidity

Corrosion Resistant

-40° to +140°F (-40° to +60°C)

0 - 95% RH Non-Condensing

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

ELECTRICAL REQUIREMENTS

Ringer Sensitivity

Line Voltage

Loop Current

Connection Method

40 -100 V, 16 - 25 Hz

24 - 56 VDC

20 - 120 mA

Terminal Block

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

Wiring Access

>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

1/2" NPT Conduit Hub

ORDERING INFORMATION

Warranty: Three 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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