

# SCR-11-H/SCR-41-H Hazardous Area Steel Compact Ringdown Telephones



Guardian's SCR-11-H & SCR-41-H Hazardous Area Steel Compact Ringdown Telephones are designed for harsh environments with special communication needs, ensuring high quality communications under extreme working conditions. As soon as the receiver is lifted the SCR-11-H or SCR-41-H automatically connects the caller to an assigned PBX location.

**Guardian**  
Telecom Inc.

ISO 9001

Today's Quality Creates Our Future

Sold by:

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## FEATURES and BENEFITS

- Encapsulated circuit boards impervious to water condensation and dust
- 16 gauge, zinc dichromate plated, steel enclosure with powder coat finish
- Heavy duty industrial volume control handset
- Rust and corrosion resistant stainless steel hardware
- Electret noise reducing microphone
- Magnetic reed hook-switch reduces moving parts subject to wear
- Service temperature range from -76° to +176°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
- SCR-11-H: Curly Cord
- SCR-41-H: Armored Cord

## APPLICATIONS

These telephones are designed for use in harsh industrial environments such as:

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

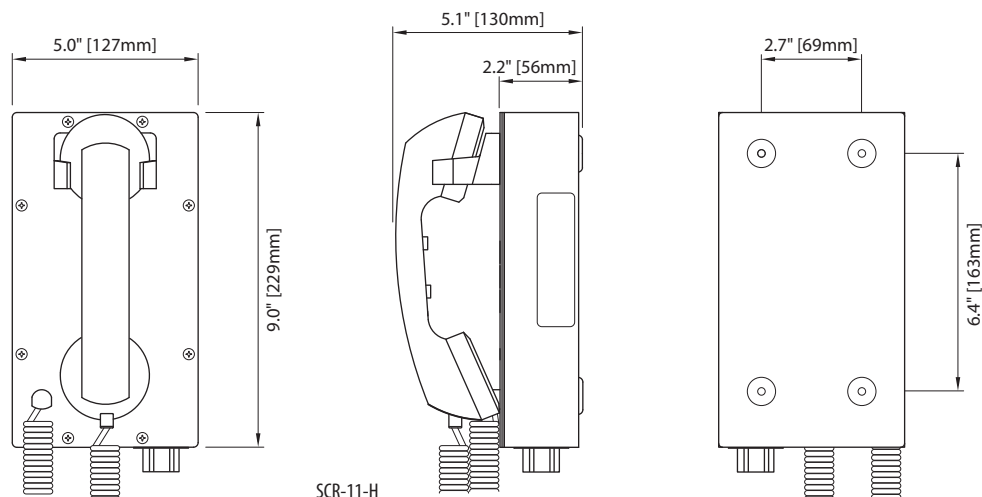
## INSTALLATION and CONNECTABILITY

To provide flexibility and the potential for growth, Guardian's SCR-H Ringdown 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. Meeting safety standards may require special wiring conduits or other considerations. Order the SCR-H Ringdown separately or as part of an integrated system.

## ACCESSORIES and OPTIONS

- 20VC - 20' ( 6.1 m ) curly cord, volume control handset for SCR-11-H
- 36" (.9m) & 72" (1.8m) Armored Handset Cords for SCR-41-H
- NC - Noise canceling microphone
- RC - Retainer clips (standard on SCR-41-H)
- BP-SCT/SCR - Stainless Steel Back / Mounting Plate
- Ring detect relay
- Off hook detect relay

## OVERALL DIMENSIONS



SCR-11-H / SCR-41-H Steel Compact Ringdown Telephones

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Connection Method	Hotline Operation
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
Ringer Output	>85 dB
FCC Ringer Equivalence	0.9 B
Set Impedance	600 Ohms Nominal
Maximum Loop	~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

### MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Body Construction	16 Ga Mild Steel
Finish	Zinc Dichromate Plated & Powder Coated
Net Weight	4.0 lbs ( 1.8 kg)
Shipping Weight	6.0 lbs ( 2.7 kg)
Shipping Dimensions ( L x W x D )	15.0" x 5.0" x 11.5" ( 381 x 127 x 293 mm)
Hand Set Construction	High Impact ABS
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")	CSA 158194
Environmental Survivability	Class I, Div. 2, Groups A, B, C and D
Industry Canada/Doc	MIL-STD810E
FCC	1012-6721A
	HQHCAN-22517-TE-E

### ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P6962	SCR-11-H Ringdown/Curly Cord/Volume Control Handset
P6963	SCR-41-H Ringdown/Armored Cord/Volume Control Handset
<i>Options</i>	
20VC	20' (6.1m) Curly Cord, Volume Control Handset – For SCR-11-H
36AVC	36' (9m) Armored Handset Cord – For SCR-41-H
72AVC	72' (1.8m) Armored Handset Cord – For SCR-41-H
NC	Dynamic Noise Canceling Microphone
RC	Retainer Clips (standard on SCR-41-H)
BP-SCT/SCR	Stainless Steel Back / Mounting Plate
<i>Accessories</i>	
P7225	Weatherproof Ring Detect Delay
P7232	Weatherproof Off Hook Detect Relay

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Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.

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