



SCR-11



SCR-41



Volume Control
Handset

SCR SERIES

Steel Compact Ringdown Telephones

SCR SERIES INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

- SCR-11 — Ringdown/Volume Control Handset/Heavy Duty Coil Cord
- SCR-41 — Ringdown/Volume Control Handset/Armored Handset Cord

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 G type 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
- Operating temperature range from -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

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

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 . . .

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.

SCR SERIES OF TELEPHONES

For ringdown options, as soon as the receiver is lifted, the phone will automatically connects the caller to an assigned PBX location or an optional Auto-dialer.

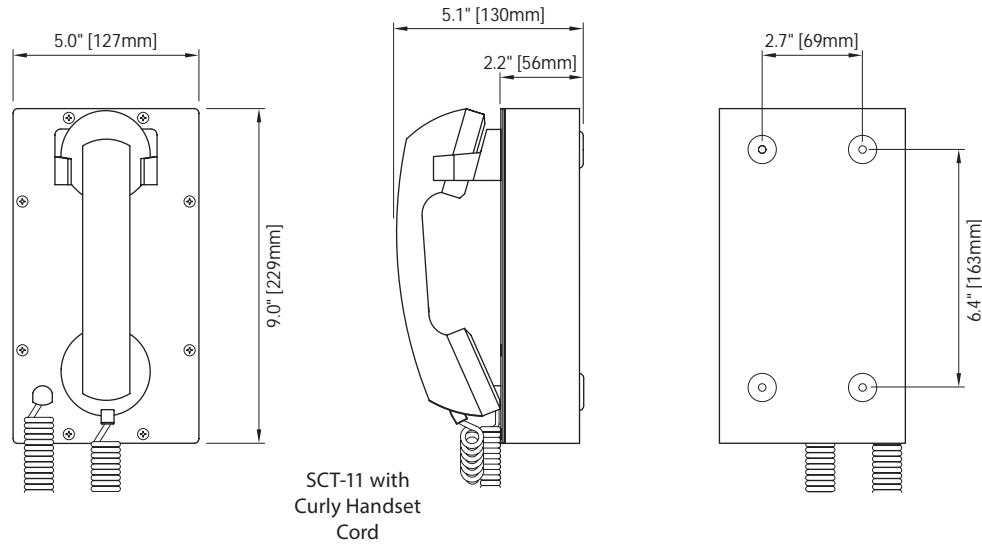
INSTALLATION and CONNECTABILITY

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

ACCESSORIES

- Ring detect relay
- Off-hook detect relay

OVERALL DIMENSIONS



SCR Series 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 / Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Body Construction	16 Ga CRS Steel
Finish	Zinc Dichromate Plated & Powder Coated
Net Weight	4 lbs (1.8 kg)
Shipping Weight	6 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 Polycarbonate
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ENVIRONMENTAL

Storage Temperature	-58° to +176°F (-50° to +80°C)
Humidity	0- 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

Industry Canada	1012-6721A
FCC	HQHCAN - 22517 - TE - E

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6961	SCR-11 Ringdown/Volume Control Handset/Curly Handset Cord
P6970	SCR-41 Ringdown/Volume Control Handset/Armored Handset Cord

Options	
20VC	20' (6.1m) Curly Cord, Volume Control Handset – For SCR-11
36AVC	36" (.9m) Armored Handset Cord
72AVC	72" (1.8m) Armored Handset Cord
NC	Noise Canceling Microphone
CH	Conduit Hub
RC-SCR	Retainer Clips – must be ordered with SCR-11 (standard on SCR-41)
BP-SCT/SCR	Back Plate for SCT/SCR phones
AD-SC	AutoDialer

Distributed by:



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