



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:

- | | |
|-----------------------------|--------------------------|
| 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

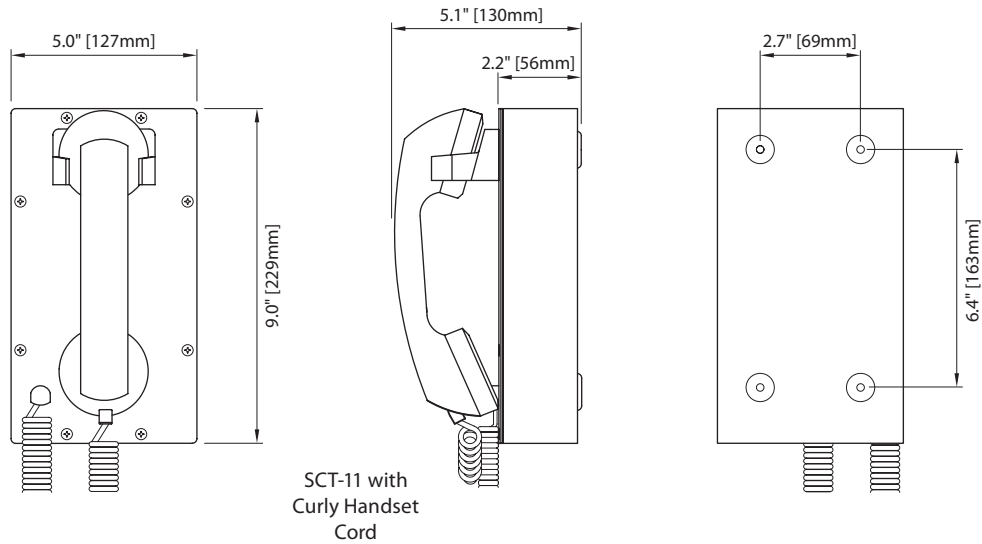
- Ring detect relay
- Off-hook detect relay



tough. trusted. true.



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: Three 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 |
| <i>Options</i> | |
| 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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