

SCT-V SERIES

Steel Compact VoIP Telephones

SCT-V SERIES INDOOR INDUSTRIAL VoIP NON-HAZARDOUS TELEPHONES

- SCT-10-V – Telesal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-30-V – Metal Keypad/Volume Control Handset/Heavy Duty Coil Cord
- SCT-40-V – Metal Keypad/Volume Control Handset/Armored Cord

FEATURES and BENEFITS

- 14 gauge corrosion protected steel enclosure with powder coat finish.
- ADA Compliant.
- Hearing-aid compatible with inductively coupled hearing-aid devices.
- 16" Armored ligature resistant handset cord with rugged 360° swivel.
- High Impact Polycarbonate handset with lock on caps.
- Noise reducing microphone.
- Vandal resistant metal keypad, standard 3 x 4 matrix.
- Faceplate secured with vandal resistant screws.
- Rear mounting plate with wiring access.
- VoIP Sitara Class Control Module:
 - The new OS with web interface to support product configuration easier with logs and status bars. Enhanced self-diagnostics. Interactive help.
 - Supports the latest security protocols (ie: TLS1.2) while still maintaining backwards compatibility.
 - SSL Certificates are supported. Web Interface Screen for SSL. Allows import of web, client and auto provisioning Client Certificates.
 - Compatible with SIP-based IP-PBX servers that comply with SIP (RFC 3261).
- PoE 802.3aT enabled (Power-over-Ethernet) or alternate power source (24VDC).
- "Full" duplex operation.
- Opto-Isolated Inputs and Outputs.
- Magnetic reed hook switch to reduce parts subject to wear.
- Modular parts for easy service.
- Rust and corrosion resistant stainless steel hardware
- Electronic ringer for reliability
- Operating temperature range from -40° to +140°F (-40° to +60°C)
- Weather, dust & corrosion resistant for any industrial application



SCT-40-V

Volume Control Handset



SCT-30-V

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-V SERIES OF TELEPHONES

Guardian's SCT-V SERIES Steel Compact Telephones are ideal for noisy areas and a wide variety of industrial applications.

Includes the new Guardian VoIP Sitara Class Control Module, fully redesigned with latest technology and enhancements and expandable and adaptable for future product development. Configuration changes can now be made and committed without a full reboot. Three drive partitions allows multiple versions of the firmware to be maintained. Logs and status bars are now included as part of the web interface. Improved hardware architecture to make field replacements of peripherals simple.

APPLICATIONS

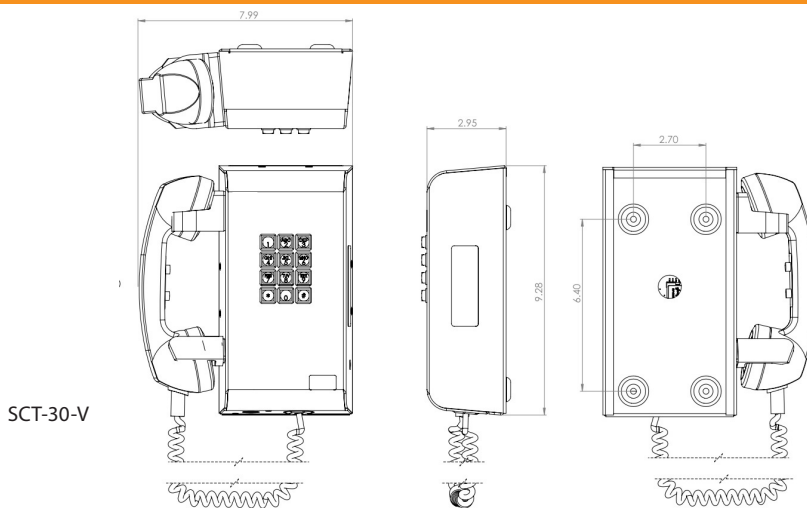
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|-----------------------------|--------------------------|
| Public Access Areas | Public Safety Purposes |
| Universities | Industrial Facilities |
| Secure Access Entry | Airports |
| Transit Authorities | Road Networks |
| Refineries | Sewage Plants |
| 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 . . . |



right. rugged. ready.



OVERALL DIMENSIONS



SCT-V Series Steel Compact VoIP Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Network Rate
Protocol
Codecs Supported

10/100 Mbps
SIP (RFC 3261 Compliant)
G.711 (Mu-law)
G.711 (A-law)
G.729.1 (G729) and (G729EV)
G.722.1 (SIREN7)
G.722.2 (AMR-WB)

ELECTRICAL SPECIFICATIONS

Power Requirements
Method 1 – Thru LAN: POE 802.3at
Method 2 – External P
Aux / Notification Relay
Optical Isolated Inputs (qty 4)

Optical Isolated Outputs (qty 4)
Microphone
Receiver

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life
Body Construction
Faceplate
Net Weight
Shipping Weight
Shipping Dimensions (H x W x D)
Hand Set Construction
Mounting
Hardware Material

Switch OR via POE Injector
24VDC @ 1A
250VAC/DC @ 5A (unfused)
15mA Max
On-board current limited for 3-5V Input
Max Switching Voltage: 30VDC @ 150mA
Noise Reducing Electret
Hearing Aid Compatible

>1 000 000 Operations
14 Gauge
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
Stainless Steel

ENVIRONMENTAL

Waterproof Enclosure
Operating temp
Storage Temperature
Humidity
Corrosion Resistant

CSA Type 3R
-40° to +140°F (-40° to +60°C)
-58° to +176°F (-50° to +80°C)
0 - 95% RH Non-Condensing
Full Gasket Faceplate

COMPLIANCE

FCC
Canada
European Commission Directives

Title 47, Part 15
ICES-003 / NMB-A
2014/30/EU & 2014/35/EU
EN55032:2015
EN55035:2017/A11:2020

* Refer to Guardian Telecom SDOC for additional details



ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description	
P6083	SCT-10-V	Teleseal Keypad/ Volume Control Handset/Curly Cord
P6085	SCT-30-V	Metal Keypad/Volume Control Handset/Curly Cord
P6086	SCT-40-V	Metal Keypad/Volume Control Handset/Armored Cord

Options

20VC	20' (6.1m) Curly Cord, Volume Control Handset for SCT-10-V & SCT-30-V
36AVC	36" (.9m) Armored Handset Cord for SCT-40-V
72AVC	72" (1.8m) Armored Handset Cord for SCT-40-V
NC	Noise Canceling Microphone
RC-SCT	Retainer Clips – must be ordered with SCT-10-V & SCT-30-V (standard on SCT-40-V)

*VoIP SITARA CLASS CONTROL MODULE CONFIGURATION ENHANCEMENTS

Easy one click activation for device changes - no full reboot required.
Keypad Mode Select – Choose between ring down or lock out keypad functionality.
Timed Auto-Answer.
User defined I/O monitoring and notification events with iGuard.
Improved auto provisioning for firmware configuration updates.

*VoIP SITARA CLASS CONTROL MODULE HARDWARE ENHANCEMENTS

Expanded Keypad interface provides ample opportunity for custom applications.
New Screwless Terminal Block for ease of installation.
4 Opto-Isolated Inputs - Can use for monitoring external sensors, alarms, etc.
4 Opto-Isolated Outputs - Can use for control of external devices.



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