ACR-V SERIES
Aluminum Cast
VoIP Ringdown Telephones



ACR-11-V
– Ringdown Tele-
phone with Heavy
Duty
Curly Handset Cord



ACR-41-V
– Ringdown Telephone
with Vandal Resistant
Armored Handset Cord



AC RANGE OF TELEPHONES

Guardian's AC RANGE meets the demanding requirements of sites that are prone to abuse and inclement weather. Rated for Moderately Harmful and Adverse Areas.

ACR-V SERIES OF TELEPHONES

Guardian's ACR-11-V & ACR-41-V Aluminum Cast Telephones are housed in a locking or non-locking aluminum enclosure, these telephones resist moisture, dust and corrosive chemicals. They are specially designed to provide reliable service in outdoor environments. These Telephones are compatible with SIP RFC 3261 compliant IP-PBX and Cloud based servers.

Guardian VoIP Sitara Class Control Module is standard with the latest technology, enhancements, expandable and adaptable for future product development. Configuration changes can 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 included as part of the web interface. Improved hardware architecture to make field replacements of peripherals simple.

ACR-V SERIES OUTDOOR/INDOOR INDUSTRIAL VoIP NON-HAZARDOUS TELEPHONES

- ACR-11-V Direct Call Ringdown/Volume Control Handset/Curly Handset Cord
- ACR-41-V Direct Call Ringdown/Volume Control Handset/Armored Handset Cord

FEATURES and BENEFITS

- VoIP Sitara Class Control Module
  - 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).
  - Fiber Media Converter Option
- Adaptive "Full" duplex voice operation.
- PoE 802.3af, 802.3at & 802.3bt enabled (Power-over-Ethernet) or alternate power source (24VDC).
- Auxilliary Relay to control external devices with multiple control modes.
- Opto-Isolated Inputs and Outputs.
- Autodial on off hook.
- Powder coated, die aluminum cast corrosion resistant enclosures.
- Operating temp: -40˚ to +140˚F (-40˚ to +60˚C).
- Weather, dust & corrosion resistant for any industrial application.
- Locking or non-locking door.
  - Lock version limits access to authorized personnel only.
  - Key is common to all locks
- Spring loaded door and magnetic latch standard.
- Magnetic reed hook switch - no moving parts.
- Hinge turns on nylon bushings to avoid jamming caused by salt or corrosion.
- Heavy duty G type industrial handset.
- Waterproof connections & stainless-steel fittings for longer life.
- Modular parts for easy service.
- Hearing aid compatible.
- Lift the handset and the autodialer routes the call to its assigned location.

APPLICATIONS

These telephones are designed to provide reliable communications in environments prone to abuse and inclement weather:

Universities
Secure Access Entry
Public Safety Purposes
Industrial Parks
Parking Facilities
Transit Authorities
Medical Centers
Mass Transit
and more ...

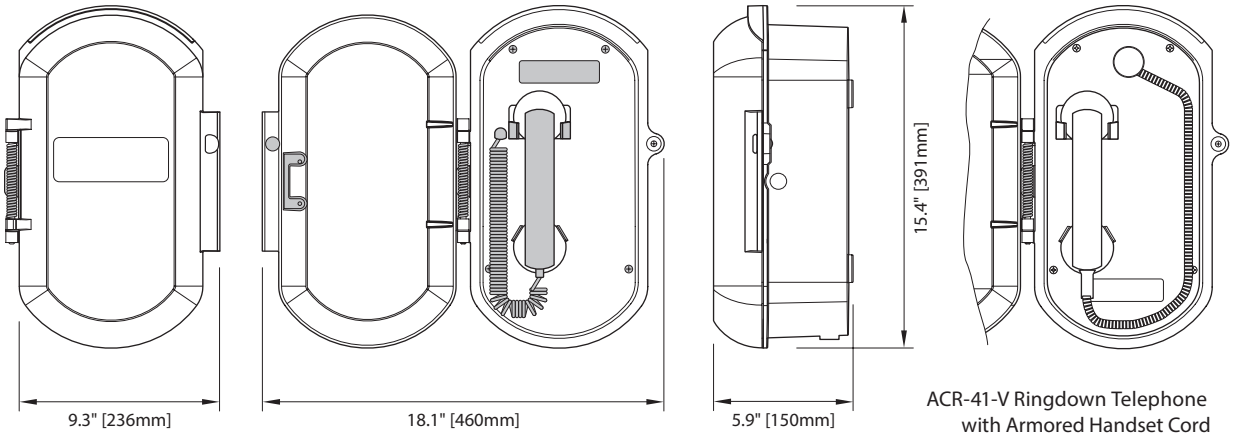
Public Access Areas
Transit Authorities
Roadside Emergency
Building Entrances
Plant Entry Gates
Amusement Parks
Senior Citizen Housing
Road Networks

ATMs
Medical Centers
Sporting Facilities
Call Boxes
Muster Points
Sporting Facilities
Airports
Parks

GUARDIAN TELECOM
right. rugged. ready.

MADE IN CANADA • FABRIQUÉ AU CANADA

OVERALL DIMENSIONS



ACR-11-V Ringdown Telephone with Curly Handset Cord

ACR-41-V Ringdown Telephone with Armored Handset Cord

ACR-V Series Aluminum Cast VoIP Ringdown Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Power Requirements	
Method 1 – Thru LAN: POE 802.3af, 802.3at & 802.3bt*	Switch OR via POE Injector
*POE requirement depending on external device use	
Method 2 – External Power	24VDC @ 1A
Aux / Notification Relay	30VDC @ 0.5A Form A+Form B Solid State (not fused) (Load Type: Resistive)
Optical Isolated Inputs (qty 4)	15mA Max
	On-board current limited for 3-5V Input
Optical Isolated Outputs (qty 4)	Max Switching Voltage: 30VDC @ 150mA
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Network Rate	10/100 Mbps
Protocol	SIP (RFC 3261 Compliant)
Codecs Supported	G.711 (Mu-law)
	G.711 (A-law)
	G.729.1 (G729) and (G729EV)
	G.722.1 (SIREN7)
	G.722.2 (AMR-WB)
Audio Encodings:	PCMU (G.711 mu-law)
	PCMA (G.711 A-law)
	G722.1 (Siren7)
	G722.2 (AMR-WB)
	G729.1 (G729J & G729EV)

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Body Construction	Aluminum Cast, Powder Coated
Faceplate	Steel, Zinc Dichromate Plated and Powder Coated
Net Weight	12 lbs (5.5 kg)
Hand Set Construction	Glass Filled Polyester (Carbon Loaded)
Mounting	Vertical Wall
Hardware Material	Stainless Steel

SHIPPING SPECIFICATIONS

Shipping Carton Weight	13 lbs (5.9 kg)
Shipping Carton Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)

ENVIRONMENTAL

Weather Proof Enclosure	Type 3R
Ingress Protection	IP55
Operating Temp:	-40˚ TO +140˚ F (-40˚TO +60˚ C)
Storage Temp:	-58˚ to +176˚F (-50˚ to +80˚C)
Humidity	0 - 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

FCC	Title 47, Part 15
Canada	ICES-003 / NMB-A
European Commission Directives:	2014/30/EU & 2014/35/EU
	EN55032:2015
	EN55035:2017/A11:2020
	Railway EN50121

* Refer to Guardian Telecom SDOC for additional details

*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 f/w / 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.
New User Controllable DC Relay with 5A @ 250VAC Rated Contacts.
4 Opto-Isolated inputs - Can use for monitoring external sensors, alarms, etc.
4 Opto-Isolated Outputs - Can use for control of external devices.

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	*Description*	
P5434	ACR-11-V	Ringdown Telephone/6' (1.8m) Curly Handset Cord
P5435	ACR-41-V	Ringdown Telephone/18" (.45m) Armored Handset Cord
Options		
CC	Conformal Coated Circuit Board	
FO	Fiber Media Converter	
PMK-ACE	Pole Mount Kit for ACE-100 Enclosure	
NC	Noise Canceling Microphone	
LD	Locking Door	
AC-YL	Yellow Enclosure	
AD	Autodialer	

GUARDIAN TELECOM

GUARDIAN TELECOM LTD.
Calgary, Alberta, Canada
Telephone: 403 258 3100 Facsimile: 403 255 2595
1 800 363 8010 (North America)
sales@guardiantelecom.com | www.guardiantelecom.com