

ACR Series Cast Aluminum Ringdown Telephones

ACR-11
Cast Aluminum
Ringdown with
Curly Cord



Volume
Control
Handset



ACR-41
Cast Aluminum
Ringdown
with Armored
Handset Cord



Pole Mount
Kit



ACR SERIES OUTDOOR/INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

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

FEATURES and BENEFITS

- Cast aluminum enclosure
- 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 to reduce parts subject to wear
- Encapsulated circuitry impervious to water and corrosive agents
- Hinge turns on nylon bushings to avoid jamming caused by salt or corrosion
- Surge arrestor to prevent voltage spike damage
- Heavy duty G type industrial handset
- Volume control to ensure communication in noisy environments
- Electret noise reducing microphone for clear communication
- Operating temp: -40° to +140°F (-40° to +60°C)
- Water proof connections & stainless steel fittings for longer life
- Modular parts for easy service
- Hearing aid compatible
- Electronic ringer for reliability
- Easily connected to any single line analog CO or PABX telephone line
- Lift the handset and PBX programming or an optional Auto Dialer 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	Transit Authorities	Roadside Emergency
Mines	Swimming Pools	Call Boxes
Airports	Parking Garages	Food Processing Facilities
Warehouses	Plant Entry Gates	Cement Plants
Docksides	Pulp & Paper Mills	Sewage Plants
Greenhouses	Construction Sites	and more ...

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 SERIES OF TELEPHONES

Guardian's ACR-11 & ACR-41 Cast Aluminum Telephones meet the demanding requirements of sites that are prone to abuse and inclement weather. 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.

INSTALLATION and CONNECTABILITY

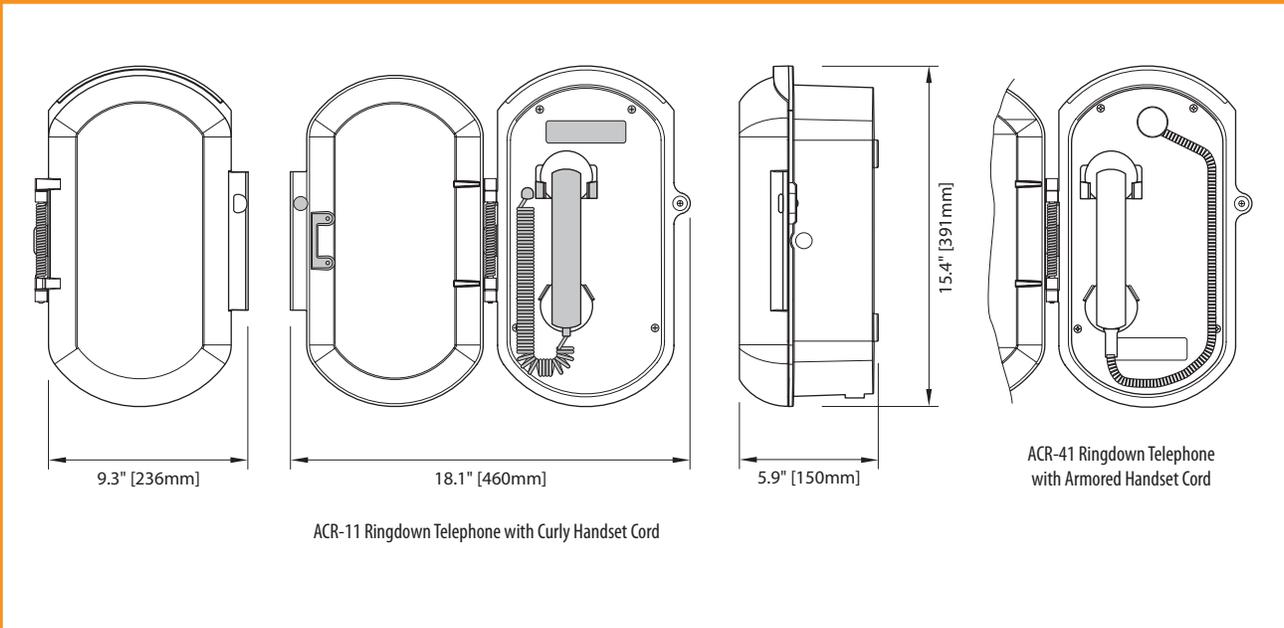
ACR Series Cast Aluminum Ringdown Telephones are designed to connect to any standard telephone network. To maintain safety standards, the use of electrical conduits and adherence to local codes may be required. To maintain voice quality, a telephone should be connected within 15,000 ft. (~4,600 meters) of a main telephone switch which accepts single line telephones.



tough. trusted. true.



OVERALL DIMENSIONS



ACR-11 Ringdown Telephone with Curly Handset Cord

ACR-41 Ringdown Telephone with Armored Handset Cord

ACR Series Cast Aluminum 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	Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Body Construction	Cast Aluminum
Faceplate	Corrosion Protected & Powder Coated
Net Weight	12 lbs (5.5 kg)
Shipping Weight (including mounting plate)	13 lbs (5.9 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Hand Set Construction	High Impact Polycarbonate
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ENVIRONMENTAL

Weather Proof Enclosure	Type 3R
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	QHQCAN-22517-TE-E

ORDERING INFORMATION

Warranty: Three years parts and labor

Order No.	Description
P5424	ACR-11 Volume Control Handset/6' (1.8m) Curly Handset Cord
P5425	ACR-41 Volume Control Handset/18" (.45m) Armored Handset Cord

Options	
PMK-ACE	Pole Mount Kit for ACE-100 Enclosure
NC	Noise Canceling Microphone
LD	Locking Door
AC-YL	Yellow Enclosure
AD	Autodialer

Distributed by:



GUARDIAN TELECOM, a division of CIRCA ENTERPRISES INC.
 Calgary, Alberta, Canada
 Telephone: 403 258-3100 Facsimile: 403 253-4967
 1-800-363-8010 (North America)
 info@guardiantelecom.com | www.guardiantelecom.com