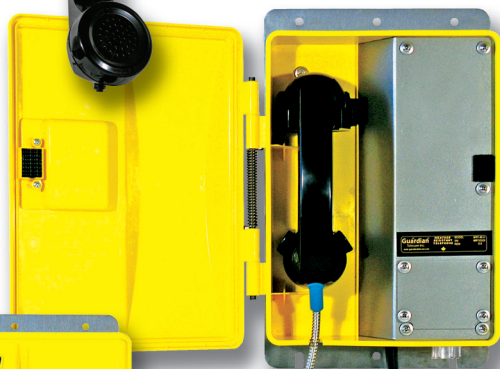
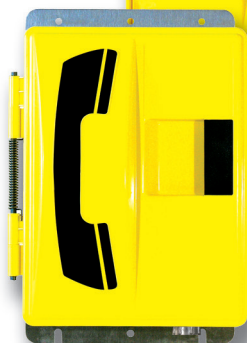


Volume
Control
Handset

WRR-11-H



WRR-41-H



Mounting Plate

WRR-H SERIES

Hazardous Area

Ringdown Telephones

WRR SERIES OUTDOOR/INDOOR INDUSTRIAL ANALOG HAZARDOUS TELEPHONES

- WRR-11-H Direct Call Ringdown/Volume Control Handset/Heavy Duty Coil Cord
- WRR-41-H Direct Call Ringdown/Volume Control Handset/Armored Cord

FEATURES and BENEFITS

- Magnetic reed hook switch to reduce parts subject to wear
- Encapsulated circuitry impervious to water condensation and dust
- Nylon hinge to prevent jamming caused by salt or corrosion
- Spring-loaded door for automatic closure
- Surge arrestor to prevent voltage spike damage
- Heavy duty industrial handset
- Electret noise reducing microphone for clear communication
- Service temperature range from -40° to +140°F (-40° to +60°C)
- Water proof connections & stainless steel fittings for longer life
- Compact durable enclosure with mounting plate
- Modular parts for easy service
- Hearing aid compatible
- Electronic ringer for reliability
- Yellow enclosure for high visibility. Optional grey enclosure and other custom color options available
- Weather, dust & corrosion resistant for any hazardous area application
- Easily connected to any single line analog CO or PABX telephone line
- Steel powder coated faceplate to eliminate corrosion
- Front access plate for ease of hook-up

APPLICATIONS

These telephones are designed to provide reliable communications in hazardous environments such as:

Oil Refineries	Drilling Rigs
Ammonia & Fertilizer Plants	Mines
Paint & Varnish Manufacturing	Bulk Loading Stations
Chemical Plants	Grain Processing Facilities
Sewage Treatment Plants	Food Processing Facilities
Pulp & Paper Mills	Airports
Plant Entry Gates	and more ...

WR RANGE OF TELEPHONES

Guardian's WR RANGE Weather Resistant Industrial Telephone Series are designed for rough-service areas, special communication needs, that ensure high quality communications under extreme working conditions.

WRR-H SERIES OF TELEPHONES

Guardian's WRR-H SERIES Weather Resistant Industrial Telephone Series provide reliable service in outdoor environments - safety, quality, reliability, flexibility and capabilities all in one system.

Guardian's Hazardous Area telephones offer a full range of phone features and are designed for locations in which fire or explosion hazards may exist due to flammable gases or vapors, combustible dust, flammable liquids; or easily ignitable flyings or fibers.

INSTALLATION and CONNECTABILITY

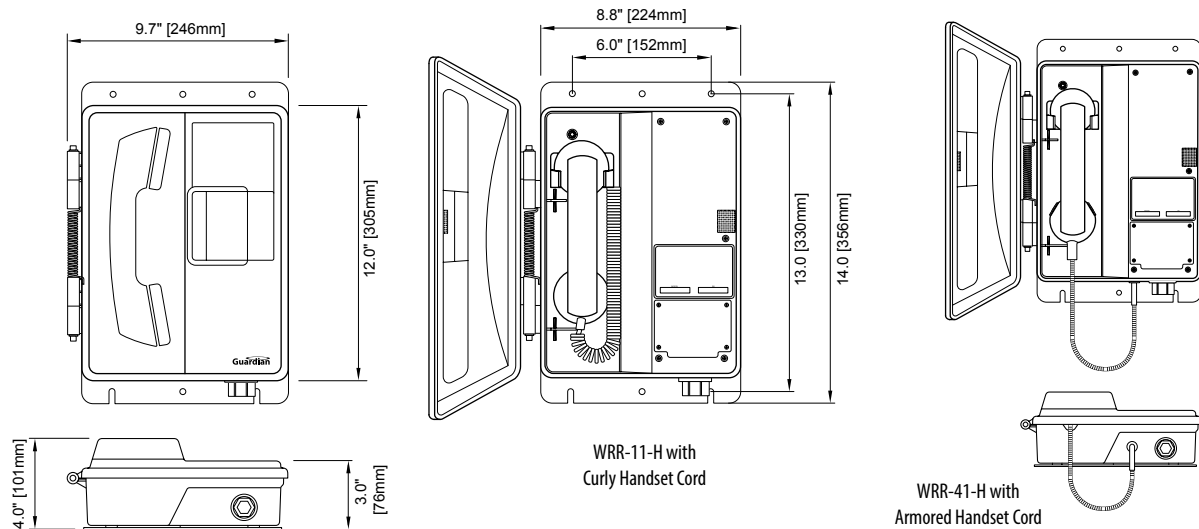
To provide flexibility and potential for growth, telephones are easily and economically connected to any telephone network by standard wiring and components. Voice quality is unaffected when phones are connected within 15,000 feet (~ 4,600 metres) of a main telephone switch accepting single line telephones. Maintaining safety standards may require use of special wiring conduits or other considerations.



tough. trusted. true.



OVERALL DIMENSIONS



WRR SERIES Hazardous Area Ringdown Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response
Connection Method
Transmit Objective Loudness Rating (TOLR)
Receiver Volume Adjustment
Receiver Objective Loudness Rating (ROLR)
– receiver volume at maximum
– receiver volume at minimum
Side Tone Objective Loudness Rating (SOLR)
– receiver volume at maximum
– receiver volume at minimum
Ringer Output
FCC Ringer Equivalence
Set Impedance
Maximum Loop

300 - 3400 Hz
Hotline Operation
Nominal -38 +/- 3 dB
3 steps up / 2 steps down 8.1dB / 5.1 dB
Nominal 50 +/- 3 dB
41.9 +/- 3 dB
55.4 +/- 3 dB
Nominal 11 +/- 4 dB
7 +/- 4 dB
14 +/- 4 dB
>75 dB
0.8 B
600 Ohms Nominal
15Kft (~4,600m) of 22 AWG Wire

ENVIRONMENTAL

Weather Proof Enclosure
Temperature
Humidity
Corrosion Resistant

COMPLIANCE

CSA ("C" and "US")

Industry Canada
FCC



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

CSA 158194
Class I, Div. 2, Groups A, B, C and D
1012-6721A
HQHCAN - 22517 - TE - E

ELECTRICAL REQUIREMENTS

Ringer Sensitivity
Line Voltage
Loop Current
Connection Method

40 -100 V, 16 - 25 Hz
24 - 56 VDC
20 - 120 mA
Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life
Body Construction
Net Weight (including mounting plate)
Shipping Weight (including mounting plate)
Shipping Dimensions (L x W x D)
Hand Set Construction
Mounting
Wiring Access
Microphone
Receiver
Hardware Material

>1 000 000 operations
GE Valox 357® Engineering Polymer
7 lbs (3.4 kg)
8.0 lbs (3.7 kg)
15.0" x 5.0" x 11.5" (381 x 127 x 293 mm)
High Impact Polycarbonate
Vertical Wall
1/2" NPT Conduit Hub
Noise Reducing Electret
Hearing Aid Compatible
Stainless Steel

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6681	WRR-11-H Volume Control Handset/Curly Handset Cord/Mounting Plate
P6682	WRR-41-H Volume Control Handset/Armored Handset Cord/Mounting Plate

Options	
20VC	20' (6.1m) Curly Handset Cord for WRR-11-H
36AVC	36" (.9m) Armored Handset Cord for WRR-41-H
72AVC	72" (1.8m) Armored Handset Cord for WRR-41-H
NC	Noise Canceling Microphone
GRV	Grey Enclosure
RED	Red Enclosure
RC-WRT/WRR	Retainer Clips – must be ordered with phone (standard on WRR-41-H)

Distributed by:



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