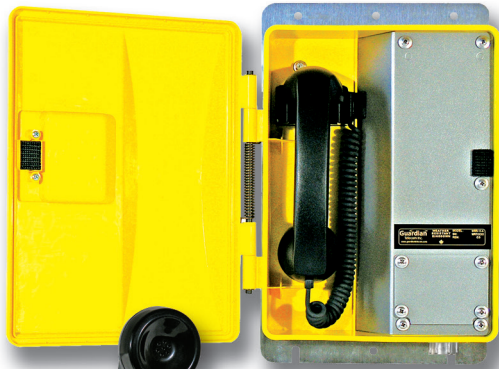


WRR-11-H/WRR-41-H

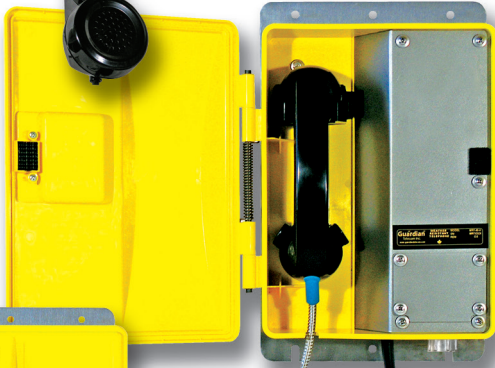
Hazardous Area

Ringdown Telephones

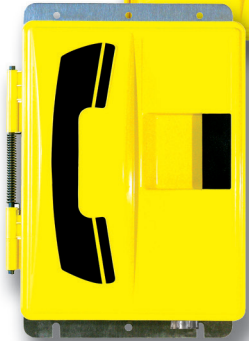


WRR-11-H

Volume Control Handset



WRR-41-H



Mounting Plate

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 environments where the atmosphere may be hazardous and subject to moisture, dust and corrosive chemicals 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. WRR-H models are designed for use in hazardous areas where the atmosphere may be hazardous due to the presence of gases.

INSTALLATION and CONNECTABILITY

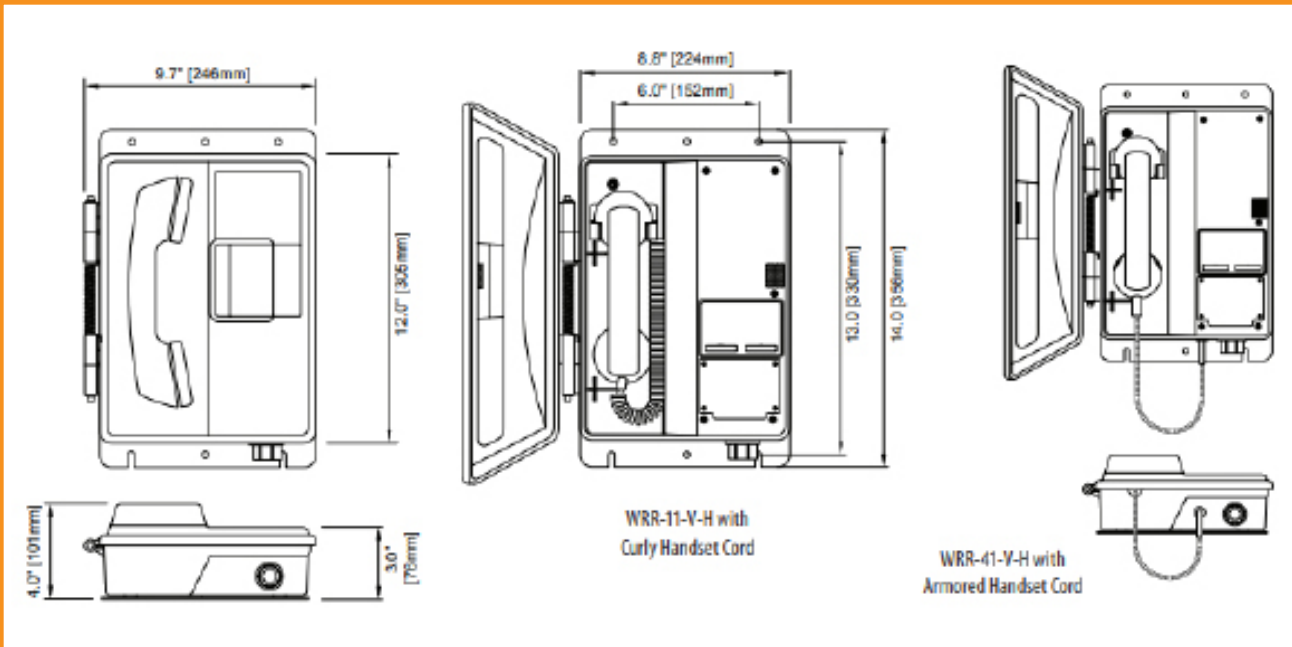
To provide flexibility and potential for growth, telephones are easily and economically connected to any telephone network by standard wiring and components. Voice quality is unaffected when phones are connected within 15,000 feet (~ 4,600 metres) of a main telephone switch accepting single line telephones.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



tough. trusted. true.



OVERALL DIMENSIONS



WRR-11-H • WRR-41-H Hazardous Area 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	>75 dB
FCC Ringer Equivalence	0.8 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	GE Valox 357 [®] Engineering Polymer
Net Weight (including mounting plate)	7 lbs (3.4 kg)
Shipping Weight (including mounting plate)	8.0 lbs (3.7 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
Wiring Access	1/2" NPT Conduit Hub
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ENVIRONMENTAL

Weather Proof Enclosure	Type 3R
Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

CSA ("C" and "US")	CSA 158194
Industry Canada	Class I, Div. 2, Groups A, B, C and D
FCC	1012-6721A
	HQHCAN - 22517 - TE - E

ORDERING INFORMATION

Warranty: Three years parts and labor

Order No.	Description
P6681	WRR-11-H Volume Control Handset/Curlly 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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