

WRT-10



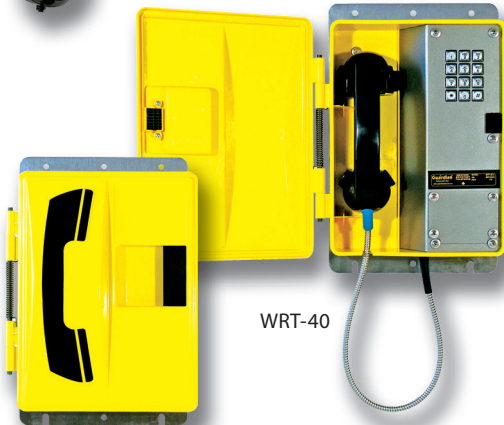
WRT-20



WRT-30

Volume
Control-
Handset

WRT-40



WRT SERIES

Weather Resistant Telephones

WRT SERIES OUTDOOR/INDOOR INDUSTRIAL ANALOG NON-HAZARDOUS TELEPHONES

- WRT-10 - Teleseal Keypad/Volume Control Handset/Curly Cord
- WRT-20 - Membrane Keypad/Volume Control on Keypad/Curly Cord
- WRT-30 - Metal Keypad/Volume Control Handset/Curly Cord
- WRT-40 - Metal Keypad/Volume Control Handset/ Armored Cord/Mounting Plate

FEATURES and BENEFITS

- Magnetic reed hook switch to reduce parts subject to wear
- Encapsulated circuitry impervious to water condensation and dust
- Hinge turns on nylon bushings to avoid jamming caused by salt or corrosion
- Spring-loaded door for automatic closure
- Surge arrestor to prevent voltage spike damage
- Heavy duty industrial handset
- Volume control to ensure communication in noisy environments
- Electret noise reducing microphone for clear communication
- Temperature range:
 - WRT-10, WRT-30, WRT-40 -76° to +176°F (-60° to +80°C)
 - WRT-20 -40° to +140°F (-40° to +60°C)
- Water proof connections & stainless steel fittings for longer life
- Compact durable enclosure, mounting plate on WRT-40 only
- 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
- Tone or pulse dialing for universal configuration
- 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 non-hazardous environments subject to moisture, dust and corrosive chemicals such as:

Universities	Public Safety Purposes	Transit Authorities
Public Access Areas	Swimming Pools	Mass Transit
Road Networks	Business Park	Remote Locations
Amusement Parks	Parking Garages	Mines
Cement Plants	Plant Entry Gates	Airports
Secure Access Entry	Industrial Facilities	Docksides
Sewage Plants	Construction Sites	Warehouses
Greenhouses	Food Processing Facilities	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.

WRT SERIES OF TELEPHONES

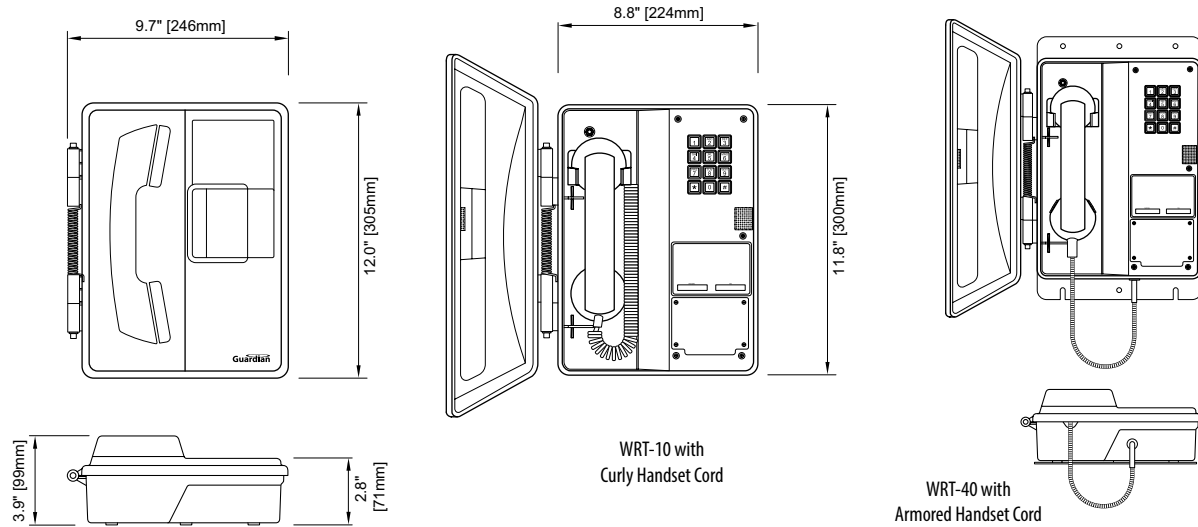
Guardian's WRT SERIES Weather Resistant Industrial Telephone Series are designed for moderately harsh indoor/outdoor environments where standard phones are not suitable. Resists moisture, dust and harmful corrosive chemicals.



tough. trusted. true.



OVERALL DIMENSIONS



WRT SERIES Weather Resistant Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response

Dialing 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

Memory Dial
Flash
Mute

WRT-20
Only

Ringer Output

FCC Ringer Equivalence

Set Impedance

Maximum Loop

300 - 3400 Hz
DTMF or 40/60 Pulse @10 PPS
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
10 Quick Dial Numbers 20 Digits Each
600 mSec Timed Disconnect
Press Key to Mute Transmitter
Between 75 and 80 dB
0.8 B
600 Ohms Nominal
15Kft (~4,600m) of 22 AWG Wire

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

Faceplate

Net Weight (including mounting plate)

Shipping Weight (including mounting plate)

Shipping Dimensions (H x W x D)

Hand Set Construction

Mounting

Microphone

Receiver

Hardware Material

>1 000 000 Operations
GE Valox 357® Engineering Polymer
Corrosion Protected & Powder Coated
7.0 lbs (3.2 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
Noise Reducing Electret
Hearing Aid Compatible
Stainless Steel

COMPLIANCE

Industry Canada

FCC



1012-6721A
HQHCAN-22517-TE- E I

ENVIRONMENTAL

Weather Proof Enclosure

Temperature:

WRT-10, WRT-30, WRT-40

WRT-20

Humidity

Corrosion Resistant

Type 3R

-76° to +176°F (-60 to +80°C)

-40° to +140°F (-40 to +60°C)

0 - 95% RH Non-Condensing

Full Gasket Faceplate

INSTALLATION and CONNECTABILITY

To provide flexibility and potential for growth, Guardian 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 meters) of a main telephone switch accepting single line telephones. Maintaining safety standards may require use of wiring conduits or other considerations.

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P6072	WRT-10 Teleseal Keypad/Volume Control Handset/Curly Cord
P6073	WRT-20 Membrane Keypad/Volume Control on Keypad/Curly Cord
P6074	WRT-30 Metal Keypad/Volume Control Handset/Curly Cord
P6075	WRT-40 Metal Keypad/Volume Control Handset/ Armored Cord/Mounting Plate

Options	
MP	Mounting Plate (Included with WRT-40)
20C-WRT/WRR	20' (6.1m) Curly Cord for WRT-20
20VC-WRT/WRR	20' (6.1m) Curly Cord for WRT-10 & WRT-30
36AVC	36" (.9m) Armored Handset Cord for WRT-40
72AVC	72" (1.8m) Armored Handset Cord for WRT-40
CH	Conduit Hub
NC	Noise Canceling Microphone
GRV	Grey Enclosure
RED	Red Enclosure
RC-WRT/WRR	Retainer Clips – must be ordered with phone (standard on WRT-40)

Distributed by:



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

