



Guardian's WRT-10-A/30-A/40-A are Weather Resistant Telephones. They are particularly suitable for use in adverse conditions. Specially designed to provide reliable service in outdoor environments, the WRT telephones resist moisture, dust and corrosive chemicals.

**Guardian**  
Telecom Inc.

ISO 9001 Today's Quality Creates Our Future

# WRT-10-A / WRT-30-A / WRT-40-A

## Weather Resistant Telephones

**Australian Version**



### 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 familiar G type industrial hand set
- Electret noise reducing microphone for clear communication
- Temp. range -40° to +60°C (-40° to +140°F)
- Water proof connections & stainless steel fittings for longer life
- Compact durable enclosure with mounting plate for easy mounting
- Modular parts for easy servicing
- Hearing aid compatible
- Electronic ringer for reliability
- Sun yellow enclosure for high visibility. Optional grey enclosure
- Weather, dust & corrosion resistant for any industrial application
- Tone or pulse dialing for universal configuration
- Easily connected to any telephone network for acceptance on 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

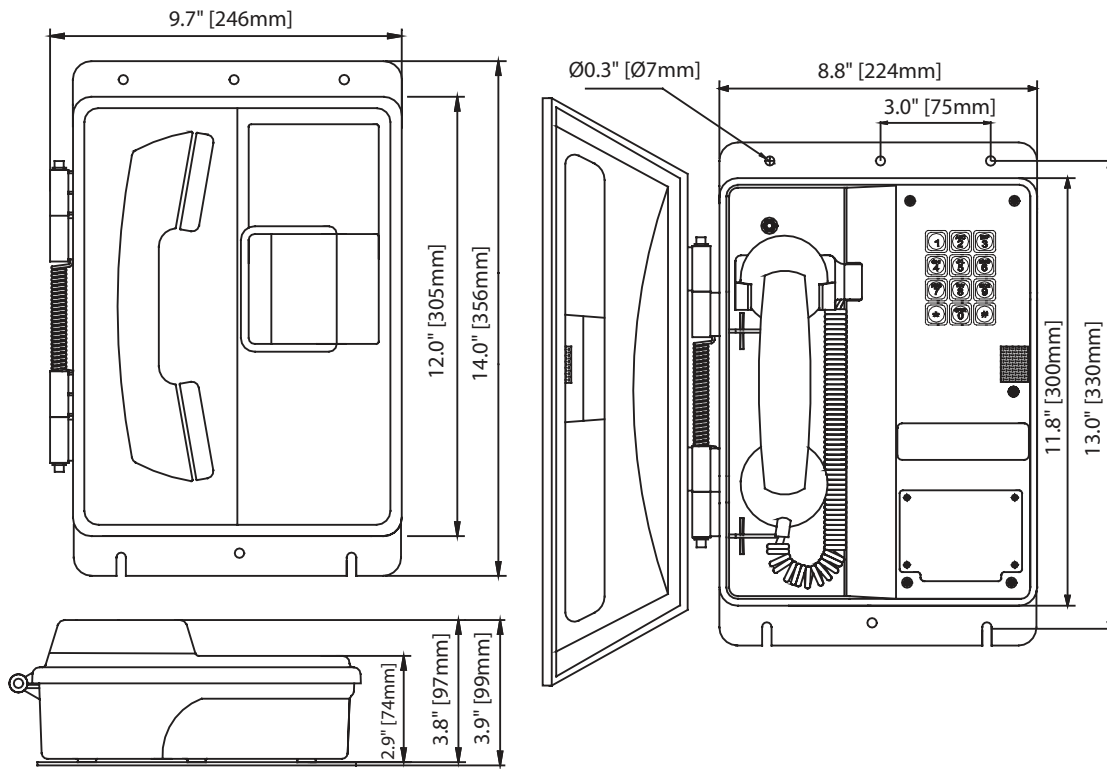
These telephones are designed to provide reliable communications in environments subject to moisture, dust and corrosive chemicals, such as:

- |                      |                      |                       |
|----------------------|----------------------|-----------------------|
| • Airports           | • Greenhouses        | • Ships               |
| • Amusement Parks    | • Mines              | • Swimming Pools      |
| • Cement Plants      | • Parking Garages    | • Transit Authorities |
| • Construction Sites | • Plant Entry Gates  | • Universities        |
| • Docksides          | • Pulp & Paper Mills | • Warehouses          |
| • Food Processing    | • Sewage Plants      | • and more...         |

### 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 ~ 4,600 metres (15,000 feet) of a main telephone switch accepting single line telephones. Meeting safety standards may require use of special wiring conduits or other considerations.

## OVERALL DIMENSIONS



WRT-10-A/WRT-30-A/WRT-40-A Weather Resistant Telephones

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method	DTMF or 33/66 pulse at 10 PPS
Send Loudness Rating (SLR)	Short 8 dB +/- 4 db
Receiver Loudness Rating (RLR)	Short -4 dB +/- 4 dB
Side Tone Masking Rating (STMR)	> 11 dB
Ringer Output	75 dB MAX
FCC Ringer Equivalence	0.5
Set Impedance	600 Ohms Nominal
Maximum Loop	~ 4,600m (15Kft) of 22 AWG Copper

### ELECTRICAL REQUIREMENTS

Ringer Sensitivity	40 - 100 V, 16 - 25 Hz
Line Voltage	24 - 56 VDC
Loop Current	20 - 120 mA
Connection Method	Surge Arrestor / Terminal Block

### MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	> 1 000 000 operations
Body Construction	GE Valox 357® Engineering Polymer
Body Dimensions (H x W x D)	305 x 246 x 99mm ( 12" x 9.7" x 3.9" )
Net Weight	1.81 kg ( 4 lbs )
Hand Set Construction	High impact ABS
Mounting	Vertical wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

### ENVIRONMENTAL

Temperature	-40° to +60°C ( -40° to +140°F )
Humidity	0 - 100% RH
Corrosion Resistant	Fully Gasketed Faceplate
Weather Proof Enclosure	Type 3R

### COMPLIANCE

Australian Communications Authority	N14510
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### ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P6050	WRT-10-A 6' Curly Cord, Teleseal Keypad
P6052	WRT-30-A 6' Curly Cord, Metal Keypad
P6053	WRT-40-A 22" Armored Cord, Metal Keypad

Options	Description
20C	20' Curly Cord (Bottom of Enclosure is Notched)
NC	Dynamic Noise Canceling Microphone
GR	Grey Enclosure

Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.



Enhancing Communications  
Through Innovation and  
Expertise

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