

VRT-40 Vandal Resistant Telephone

FEATURES and BENEFITS

- Rugged 12 gauge steel enclosure
- Corrosion protected powder coated faceplate & housing
- Heavy duty industrial volume control armored cord handset
- Magnetic reed hook switch reduces moving parts subject to wear
- Encapsulated circuitry impervious to water, condensation & dust
- Surge arrestor to prevent voltage spike damage
- Electret noise reducing microphone for clear communication
- Temperature range -76° to +176°F (-60° to +80°C)
- Water proof connections & stainless steel fittings for longer life
- Modular parts for easy service
- Hearing aid compatible
- Electronic ringer for reliability
- Tone or pulse dialing for universal configuration
- Tamper resistant screws
- Easily connected to any single line analog CO or PABX telephone line
- Handset retainers to maintain on-hook status

APPLICATIONS

- Public Transit Sites
- Highway Tunnels
- Parks
- University Campuses
- Correctional Facilities
- Outdoor Sporting Facilities
- Parking Structures
- Plant Entry Gates
- Public Access Areas
- 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 parts. Voice quality is unaffected when phones are connected within 15,000 feet (~4,600 meters) of a main telephone switch accepting single line telephones. Meeting safety standards may require use of special wiring conduits or other considerations. Telephones are tone/pulse switchable. Initial settings are to tone prior to delivery (unless requested otherwise). In-service switching may require technical assistance.

ACCESSORIES and OPTIONS

- Noise canceling microphone
- Ring detect relay
- Off hook detect relay
- Strobe light



VRT-40 with
armored
handset cord

Volume Control
Handset

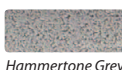
Guardian's VRT-40 Vandal Resistant Telephone is designed for sites prone to abuse, inclement weather and noisy conditions.

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ISO 9001 Today's Quality Creates Our Future



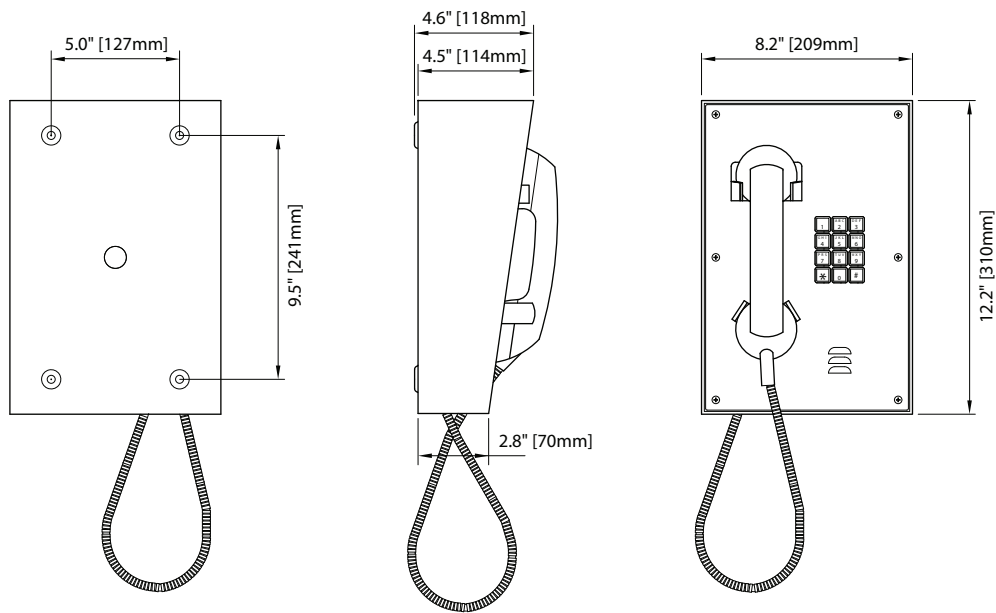
Sahara Metallic



Hammertone Grey

Finishes not as shown. VRT-40 faceplate finish is Sahara Metallic. Housing finish is Hammertone Grey.

OVERALL DIMENSIONS



VRT-40 Vandal Resistant Telephone

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing method	DTMF or 40/60 Pulse @10 PPS
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	0.9 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	Terminal Block / Surge Arrestor

ENVIRONMENTAL

Weather Proof Enclosure	Type 3R
Temperature	-76° to +176°F (-60° to +80°C)
Humidity	0 - 95% RH Non-Condensing
Corrosion Resistant	Full Gasket Faceplate

COMPLIANCE

Industry Canada	1012-6721A
FCC	HQHCAN - 22517 - TE - E

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	> 1 000 000 Operations
Body Construction	12 Ga Steel
Finish	Corrosion Protected & Powder Coated
Net Weight	14 lbs (6.25 kg)
Shipping Weight	18 lbs (8.2 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 ABS
Mounting	Vertical Wall
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P5012	VRT-40 Metal Keypad, Volume Control Handset, Armored Cord
<i>Options and Accessories</i>	
NC	Noise Canceling Microphone
P7225	Weatherproof Ring Detect Delay
P7232	Weatherproof Off Hook Detect Relay

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

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