



G U A R D I A N T E L E C O M

Product and Services Guide

Emergency/Help Point VoIP Telephones

Emergency/Help Point VoIP Telephones are designed to meet the critical demands of public safety and operational security.

The HDE-VoIP series delivers reliable hands free communication in rugged conditions and high ambient noise areas.

Point of entry, information, public address and security are a few of the locations that can advantage of the benefits of these outstanding HDE end-points.

Guardian Telecom has combined the benefits of VoIP with the outstanding quality of our industrial telephony products. With Guardian's Voice over Internet Protocol telephones all that is required is a simple network connection.

SIP connectivity expands Guardian VoIP reach into demanding and rugged environments with seamless integration into your existing or new VoIP infrastructure.

Guardian VoIP products are Power-over-Ethernet compliant (PoE) or can be powered using an optional power supply.

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SECTION

12



Visit industrial sites around the world and you can find telephones and communication systems designed, manufactured, distributed and commissioned by Guardian Telecom. From certified and ruggedized telephone and paging endpoints, to loudspeakers & ringers, cable, accessories, acoustic booths and much more. Our product line is extensive and our knowledge in-depth.

Guardian manufactures and assembles at our modern, ISO certified, CSA, UL and ATEX approved facility located east of the Canadian Rockies in Calgary, Alberta, Canada.

Working closely with our customers has always been a cornerstone in our work ethic. It keeps us up to date on their evolving needs and requirements as they operate in a demanding and uncompromising industrial world.

Guardian Telecom has completed its initial VoIP telephone product launch. As the IP world continues to evolve and grow, we will continue to invest both time and resources in design and testing to meet the stringent requirements that clients demand.

The in-house channel-partner sales and technical teams are here to work directly with you or through our network of distributors and representatives, locally, nationally and globally. Take advantage of their practical experience and product knowledge to make informed decisions based on your communication needs, environmental factors, regulatory requirements, budget considerations, growth and scheduling.

From individual telephone units to complete systems, our focus on customers' distinct needs is also addressed by customizing products whenever practical. From features to colors, finishes to labels, graphics, parts, enclosures and more.

Guardian can help guide you through the product selection process no matter how complex it is. We invite you to contact us to discuss your needs and see if our products & services will be the right fit.



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Guardian Telecom's Product and Services Guide Catalogue is a compilation of individual Category Sections. They include an in-depth selection of Product Data Sheets from our extensive product lines including Analog and VoIP Telephones, Page/Talk, Cable, Talk/Back, PA/GA equipment, Acoustic Booths, Loudspeakers & Ringers and Accessories at the date of publication.

Based on a policy of continuous improvement, Guardian is constantly evaluating and redesigning existing models, adding new features and introducing new products to the benefit of our customers. Additional information can be found on our website at www.guardiantelecom.com.

Emergency/Help Point VoIP Telephones

Guardian Telecom Emergency VoIP Telephones work in harsh conditions including extremely cold weather, rain and noisy environments. Critical factors in the development of HDE-V included the high ambient noise areas found in transit facilities and other locations including College and University campuses requiring a telephone critical to public safety or security.

Heavy Duty Emergency/Help Point VoIP Telephones – HDE-V

Guardian’s HDE-V Series phones are intended for use in public areas where direct assistance or hands-free communication is required. They provide a two-way link to assistance through clear, full duplex communications.

Calls can be initiated from the telephone or from the monitoring station. The telephone may be programmed to autodial two numbers or to ringdown through a PABX. HDE-V phones are capable of remote monitoring, reporting the status of each unit and informing personnel of a malfunction.

PoE 802.3af enabled (Power-over-Ethernet) or alternate power source.

Compatible with most SIP-based IP-PBX servers that comply with SIP RFC 3261



Recessed Telephones

- HDE-11-V Recessed Mount, Emergency Call Button, Auxiliary Relay
- HDE-1100-V Recessed Mount, Push to Call Button & 12 Digit Teleseal Keypad, Auxiliary Relay

12-1



Wall Mount Telephones

- HDE-12-V Wall Mount, Emergency Call Button, Auxiliary Relay
- HDE-1200-V Wall Mount, Emergency Button & Public Access “Push-to-Call” Button & 12 Digit Teleseal Keypad, Auxiliary Relay

12-1

HDE-V Series Emergency & Public Access IP Telephones



FEATURES and BENEFITS

- Adaptive full-duplex voice operation
- PoE 802.3af enabled (Power-over-Ethernet) or alternate power source
- Compatible with most SIP-based IP-PBX servers that comply with SIP RFC 3261. (Refer to the Guardian VoIP web page for a list of certified servers)
- Network web management interface
- Guardian Discovery Utility makes it easy to detect, locate and launch the web based configuration screens
- Product self diagnostic testing available through web interface
- Network adjustable speaker volume and microphone sensitivity
- Network downloadable firmware
- Remote programming – allows you to manage your network from a central location
- HDE-V models with an "Emergency" push button – depressing the button once automatically rings a designated number to summon help
- HDE-V models with a "Push To Call" button – depress the button once and it allows the user to dial out or it will dial a pre-programmed number. A call may be initiated from the phone or from the monitoring station
- Doubles as a Paging Speaker
- Control Relay – network configurable auxiliary relay standard on all models
- Night ringer mode – refer to product manual
- Powder coated, corrosion resistant enclosures
- LED – provides visual confirmation of call connection
- ADA (American Disability Act) compliant label – standard on HDE-11-V, HDE-12-V & HDE-1200-V
- Speaker – hands free operation
- Temperature range -22° to +140°F (-30° to +60°C)

Guardian Telecom's SIP-enabled HDE-V Series Emergency & Public Access telephones are intended for use in areas where direct assistance or hands-free communication is required.

HDE-V telephones provide a two-way link to emergency, access or information assistance through full-duplex phone transmission. A call may be initiated from the phone by pushing the button which routes the call to its assigned extension. These phones also provide the capability of monitoring the status of each unit from a remote location, informing personnel of a malfunction.

HDE-V Telephones are compatible with most SIP-based IP-PBX servers that comply with SIP RFC 3261. See our Interoperability Guide for details.

APPLICATIONS

HDE-V Telephones are designed to provide reliable communications in environments subject to vandalism, moisture, dust and corrosive chemicals such as:

- Universities
- Elevators
- Parking Facilities
- ATMs
- Transit Authorities
- Medical Centers
- Industrial Parks
- Public Access Areas
- Building Entrances
- Plant Entry Gates
- Sporting Facilities
- Amusement Parks
- Senior Citizen Housing and more ...

ACCESSORIES and OPTIONS

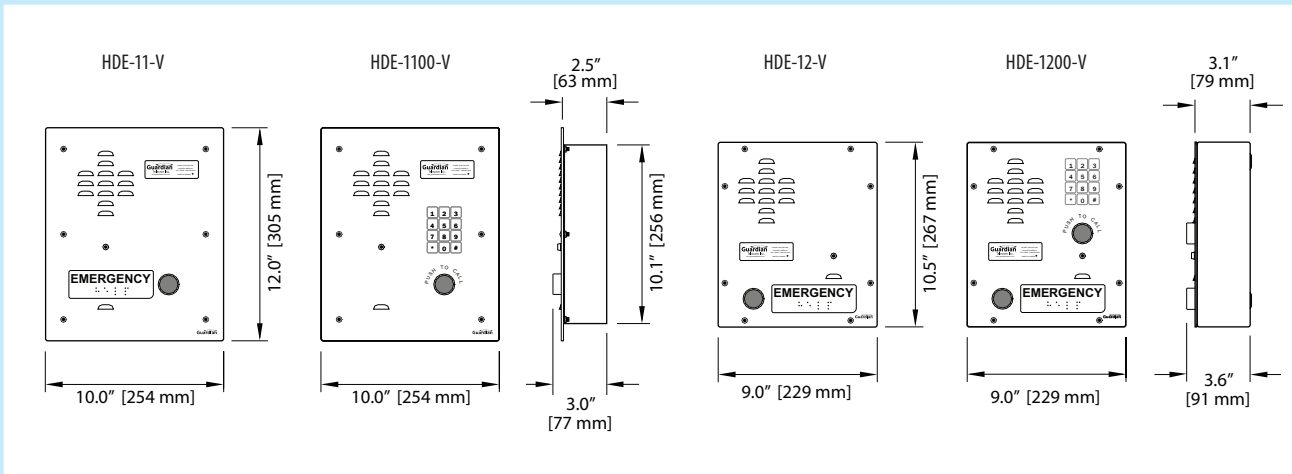
- Conformal coated circuitry – protects components from humidity damage
- MS – Mushroom switch for HDE-11-V, HDE-12-V & HDE-1200-V
- BS – Blue Switch for HDE & HDE-V

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ISO-9001:2008 Certification
Today's Quality Creates Our Future

OVERALL DIMENSIONS



HDE-V Series Heavy Duty Emergency & Public Access IP Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Ethernet Network Rate	10/100 Mbps
Maximum Speaker Volume	1 Watt Peak
Protocol	SIP (RFC 3261 Compliant)

ELECTRICAL REQUIREMENTS

Power Requirements	POE-802.3 af Compliant 12-24V @ 1A
Auxiliary Relay	0.5A @ 30VDC

ENVIRONMENTAL

Temperature	-22° to +140°F (-30° to +60°C)
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MECHANICAL SPECIFICATIONS

Body Construction	16 Ga Mild Steel
Finish	Zinc Dichromate Plated & Powder Coated
Net Weight	HDE-11-V 6.4 lbs (2.9 kg) HDE-1100-V 6.8 lbs (3.1 kg) HDE-12-V 7.0 lbs (3.2 kg) HDE-1200-V 7.2 lbs (3.3 kg)
Shipping Weight	10.0 lbs (4.6 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Mounting	Vertical Wall or Recessed
Wiring Access	HDE-11-V & HDE-1100-V – Two 7/8" Holes For Owner Supplied Fittings HDE-12-V & HDE-1200-V – One 7/8" Hole For Owner Supplied Fittings

Hardware Material	Stainless Steel
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COMPLIANCE

FCC	Part 15 [†] , Class A
IC	ICES-003 CLASS A CISPR 22: 2008
IEC	61000-6-2: 2005



[†] This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

SUPPORTED PROTOCOLS

- SIP
- HTTP Web base configuration
- DHCP Client
- TFTP Client
- RTP
- RTP/AVP Audio Video Profile
- Facilities auto provisioning configuration values on boot
- Audio Encoding
 - PCMU (G.711 Mu-law)
 - PCMA (G.711 A-law)
 - Packet Time 10ms

ORDERING INFORMATION

Warranty: One year parts and labor

Order No.	Description
P6995	HDE-11-V Recessed/Single Emergency Call Button/Auxiliary Relay
P6996	HDE-1100-V Recessed/Single Push To Call Button & 12 Digit Metal Keypad/Auxiliary Relay
P6997	HDE-12-V Wall Mount/Single Emergency Call Button/Auxiliary Relay
P6998	HDE-1200-V Wall Mount/Emergency Call Button/Push To Call Button & 12 Digit Metal Keypad/Auxiliary Relay

Options

CC	Conformal Coated Circuit Board
MS	Mushroom Switch for HDE-11-V, HDE-12-V & HDE-1200-V
BS	Blue Switch for HDE-V

Distributed by:

Sections

Guardian Telecom's Product and Services Guide Catalogue is a compilation of individual Category Section Publications

Guardian 1





- ▶ [About Guardian Telecom](#)
 - Building on a Legacy of Design and Service
 - Communications: Easy, Reliable and Safe
 - More Choices, Selections and Services
 - Standard Features
 - Options & Accessories
 - Product and Project Consultation
 - Commissioning Services
 - Sound Studies
 - Training
 - Maintenance, Cleaning, Trouble Shooting & Refurbishment
 - Custom Design
 - Page/Talk, Telephone, PA/GA and Talk/Back Systems
 - Standards and Classifications
- ▶ [Knowledge Base](#)
- ▶ [Glossary](#)

Products

Analog Telephones





Explosion Proof		2
ATEX-IEC		3
Hazardous Area		4
Outdoor Industrial		5
Indoor Industrial		6
Emergency/Help Point		7
Correctional		8

VoIP Telephones

Hazardous Area VoIP		9
Outdoor Industrial VoIP		10
Indoor Industrial VoIP		11
Emergency/Help Point VoIP		12

¹ Page/Party® is a registered trademark of GAI-Tronics Inc. Use does not imply endorsement.

Page/Talk

Explosion Proof		13
Stations		14
System Cable		15
System Components		16

Page Station Module Replacements

Page/Party® Module Replacements ¹		17
Page/Talk Module Replacements		17

Talk/Back

Explosion Proof Amplifier		18
Multi-Channel Amplifiers		18

PA/GA

System Components		19
-------------------	---	----

Acoustic Booths

Aluminum & GRP		20
----------------	---	----

Loudspeakers/Ringers

Explosion Proof		21
Hazardous Area		22
ATEX-IEC		23
General Area		24



Guardian represents DNH, E2S, Federal Signal, MEDC and TOA, and has access to an extensive range of other world class leading manufacturers. Visit www.guardiantelecom.com for additional information on Explosion Proof, Hazardous Area, ATEX-IEC and General Area Loudspeakers & Ringers.

Accessories & Enclosures

Telephone Accessories & Enclosures		25
Page/Talk Accessories		26

Product Index

Part No., Description, Product Section & Product Data Sheet	27
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