

# HDE Series Heavy Duty Emergency Telephones

## FEATURES and BENEFITS

- HDE models with an emergency Push Button feature – depress once automatically rings designated number(s) to summon help
- HDE 1100 & 1200 series have a keypad to allow the user to manually dial numbers
- Durable enclosure with powder coated finish is rust resistant
- Remote programming – allows you to manage your emergency network from a central location
- LED – provides visual confirmation connection has been made
- ADA (American Disability Act) compliant label (HELP) – standard on HDE 11 & 12 and 1200. Optional on HDE 10 & 1100
- Speaker – hands free operation
- Control Relays – primary relay standard on all models, 2 additional auxiliary relays on advanced models

## APPLICATIONS

These 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 Centres
- Industrial Parks
- Public Access Areas
- Building Entrances
- Plant Entry Gates
- Sporting Facilities
- Amusement Parks
- Senior Citizen Housing
- 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 15,000 feet (~4,600 metres) of a main telephone switch accepting single line telephones. Meeting safety standards may require use of special wiring conduits or other considerations.

## ACCESSORIES and OPTIONS

- Scream alert activation device
- Conformal coated circuitry – protects components from humidity damage
- Vandal resistant screws – protects against unauthorized access
- Piezo pushbutton for additional vandal resistance (requires external power supply)
- 12V-24V AC or DC supplemental external power supply



Guardian's HDE Series telephones 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 analog, half-duplex telephone transmission. A call may be initiated from the telephone or from the monitoring station. The telephone may be programmed to autodial two numbers or to ring down through a PABX. These telephones also provide the capability of monitoring the status of each unit from a remote location, informing personnel of a malfunction.

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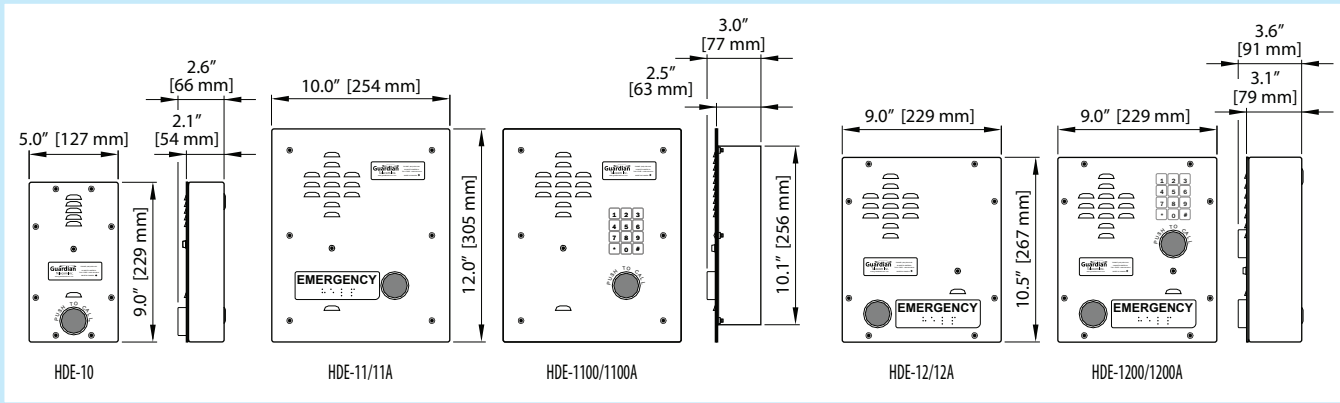
*\*Finishes not as shown. HDE-11/11A & HDE-1100/1100A faceplate finish is Sahara Metallic. Housing finish is Black.*

Sahara Metallic

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## OVERALL DIMENSIONS



HDE-Series Heavy Duty Emergency Telephones

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method	DTMF
Transmit Objective Loudness Rating (TOLR)	-36 dB @ 0.5 m
Maximum Speaker Volume	
Without External Power Supply	
All Models	82 dB @ 0.5 m
With External Power Supply	
HDE10/11/1100/12/1200	85 dB @ 0.5 m
HDE11A/1100A/12A/1200A	92 dB @ 0.5 m
Set Impedance	600 Ohms Nominal
Maximum Loop	15Kft ( ~4,600m ) of 22 AWG Wire

### ELECTRICAL REQUIREMENTS

Auto Answer Sensitivity	40 -100 V, 16 - 25 Hz
Line Voltage	24 - 56 VDC
Loop Current	20 - 120 mA
Connection Method	Surge Arrestor
Call Progress Tones	Dial tone: 350 Hz & 440 Hz @ -16 dBMO Busy tone: 480 Hz & 620 Hz @ -24 dBMO Duty Cycle 500mS On, 500 mS Off
External Power Supply (optional)	12V - 24V, 0.25 A
Auxiliary Relay Contacts	
Primary Relay	0.12A @ 250VAC
Supplementary Relays 1 & 2	2.0A @ 60VDC

### ENVIRONMENTAL

Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing

### MECHANICAL SPECIFICATIONS

Body Construction	16 Ga Mild Steel
Finish	Zinc Dichromate Plated & Powder Coated
Net Weight	HDE-10 3.5 lbs ( 1.6 kg ) HDE-11/11A 6.4 lbs ( 2.9 kg ) HDE-1100/1100A 6.8 lbs ( 3.1 kg ) HDE-12/12A 7.0 lbs ( 3.2 kg ) HDE-1200/1200A 7.2 lbs ( 3.3 kg )
Shipping Weight	HDE-10 5.0 lbs ( 2.3 kg ) HDE-11/11A, HDE-1100/100A, HDE-12/12A, HDE-1200/1200A 10 lbs ( 4.6 kg )
Shipping Dimensions ( L x W x D )	HDE-10 15.0" x 5.0" x 11.5" ( 381 x 127 x 293 mm ) HDE-11/11A, HDE-1100/100A, HDE-12/12A, HDE-1200/1200A 16.0" x 10.5" x 9.5" ( 407 x 267 x 242 mm )
Mounting	Vertical Wall or Recessed
Wiring Access	Two 7/8" Holes For Owner Supplied Fittings
Hardware Material	Stainless Steel

### ORDERING INFORMATION

Warranty: One year parts and labor

Part No.	Model	Installation	Call Button Configuration	Two Auxiliary Relays	Audio Power Amplifier	Maximum Speaker Volume @ 0.5 Meters	
						Line Powered	With External Power
P6974	HDE-10	Wall Mount	Single Emergency		0.25 Watt	82 dB	85 dB
P6977	HDE-11	Recessed	Single Emergency		0.25 Watt	82 dB	85 dB
P6984	HDE-11A	Recessed	Single Emergency	Yes	5.0 Watt	82 dB	92 dB
P6983	HDE-1100	Recessed	Single Call Button & 12 Digit Keypad		0.25 Watt	82 dB	85 dB
P6985	HDE-1100A	Recessed	Single Call Button & 12 Digit Keypad	Yes	5.0 Watt	82 dB	92 dB
P6979	HDE-12	Wall Mount	Single Emergency		0.25 Watt	82 dB	85 dB
P6986	HDE-12A	Wall Mount	Single Emergency	Yes	5.0 Watt	82 dB	92 dB
P6987	HDE-1200	Wall Mount	Single Emergency Plus Call Button & 12 Digit Keypad		0.25 Watt	82 dB	85 dB
P6988	HDE-1200A	Wall Mount	Single Emergency Plus Call Button & 12 Digit Keypad	Yes	5.0 Watt	82 dB	92 dB

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

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