

# HDE SERIES

## Heavy Duty Emergency Telephones



HDE-10



HDE-11/HDE-11A



HDE-1100/  
HDE-1100A



HDE-12/  
HDE-12A



HDE-1200/  
HDE-1200A

### HDE SERIES INDUSTRIAL ANALOG HEAVY DUTY TELEPHONES

- HDE-10 – Wall Mount/Single Push-to-Call Button/0.25 Watt
- HDE-11/11A – Recessed/Single Emergency/ 0.25 Watt; A is 5.0 Watt
- HDE-1100/1100A – Recessed/Single Call Button & 12 Digit Keypad/ 0.25 Watt; A is 5.0 Watt
- HDE-12/12A – Wall Mount/Single Emergency/0.25 Watt; A is 5.0 Watt
- HDE-1200/1200A – Wall Mount/Single Call Button & 12 Digit Keypad/0.25 Watt; A is 5.0 Watt

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

### HDE RANGE OF TELEPHONES

Guardian's HDE RANGE Heavy Duty Emergency Industrial Telephones are intended for use in public areas where direct assistance or hands-free communication is required.

### HDE SERIES OF TELEPHONES

Guardian's HDE SERIES telephones 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.

HDE telephones may be programmed to autodial two numbers or to ringdown through a PABX. These phones also provide the capability of monitoring the status of each unit from a remote location, informing personnel of a malfunction.

### 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.

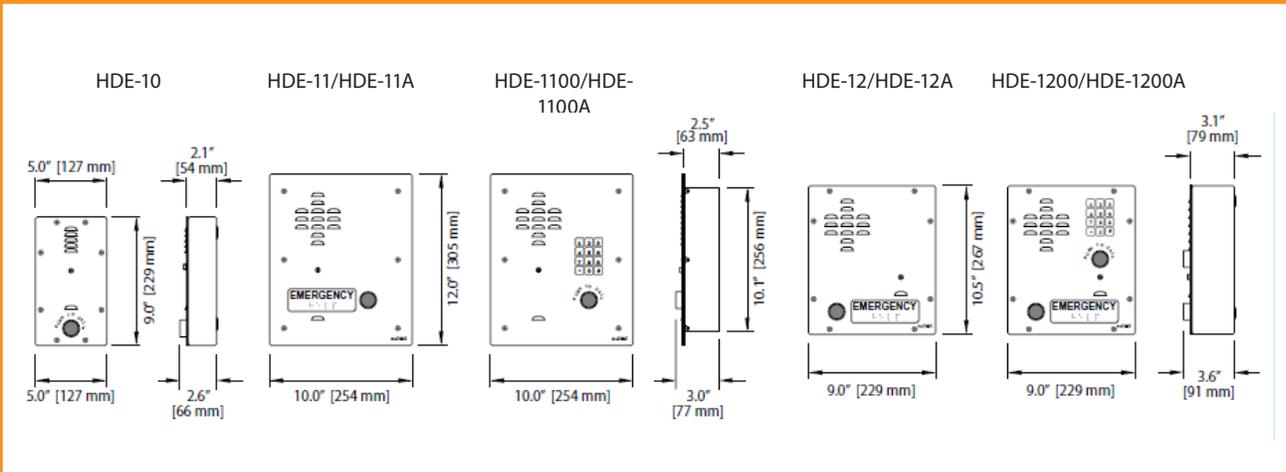


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## OVERALL DIMENSIONS



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	82 dB @ 0.5 m
With External Power Supply	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

Operating temp:	-40° to +140°F ( -40° to +60°C )
Storage Temp:	-58° to +176°F ( -50° to +80°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-1100/1100A, HDE-12/12A, HDE-1200/1200A	10.0 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-1100/1100A, 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	
HDE-11/HDE-11A & HDE-1100/HDE-1100A	- Two 7/8" Holes For Owner Supplied Fittings
HDE-12/HDE-12A & HDE-1200/HDE-1200A	- One 7/8" Hole For Owner Supplied Fittings
Hardware Material	Stainless Steel

### COMPLIANCE

Industry Canada 1012A-601B

### ORDERING INFORMATION

Warranty: Three years parts and labor

Order 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 Push-to-Call Button		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
<b>Options</b>							
P8100	ALD	Automatic Line Disconnect					
CC	Conformal Coat Circuit Board						
MS	HDE-11 / HDE-12 with mushroom switch						
BS	Blue Switch for HDE						
12V-24V	AC or DC supplemental external power supply						

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