



HDE SERIES Heavy Duty Emergency Telephones

HDE-20



HDE-30

HDE SERIES INDUSTRIAL ANALOG HEAVY DUTY TELEPHONES

- HDE-30 – Recessed/Single Emergency / 0.25 Watt / 3.0 Watt
- HDE-31 – Recessed/Single Call Button & 12 Digit Keypad/ 0.25 Watt / 3.0 Watt
- HDE-20 – Wall Mount/Single Emergency / 0.25 Watt / 3.0 Watt
- HDE-21 – Wall Mount/Single Call Button & 12 Digit Keypad / 0.25 Watt / 3.0 Watt

FEATURES and BENEFITS

- HDE models with an emergency Push Button feature – depress once automatically rings designated number(s) to summon help
- HDE 31 & 21 series have a keypad to allow the user to manually dial numbers
- 316 Stainless Steel – 16 Gauge with #4 Brushed Finish, corrosion resistant enclosures
- 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 ... |

OGP RANGE OF HELP POINT DEVICES

Guardian's OGP (On-Guard Protector) RANGE of Heavy-Duty Emergency Industrial Help Point Telecommunication Devices and Housings (Pedestal & Wall Mount), combined with Guardian's HDE Series of Analog and VoIP Help Point hands-free devices are intended for use in public areas where direct / emergency 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.

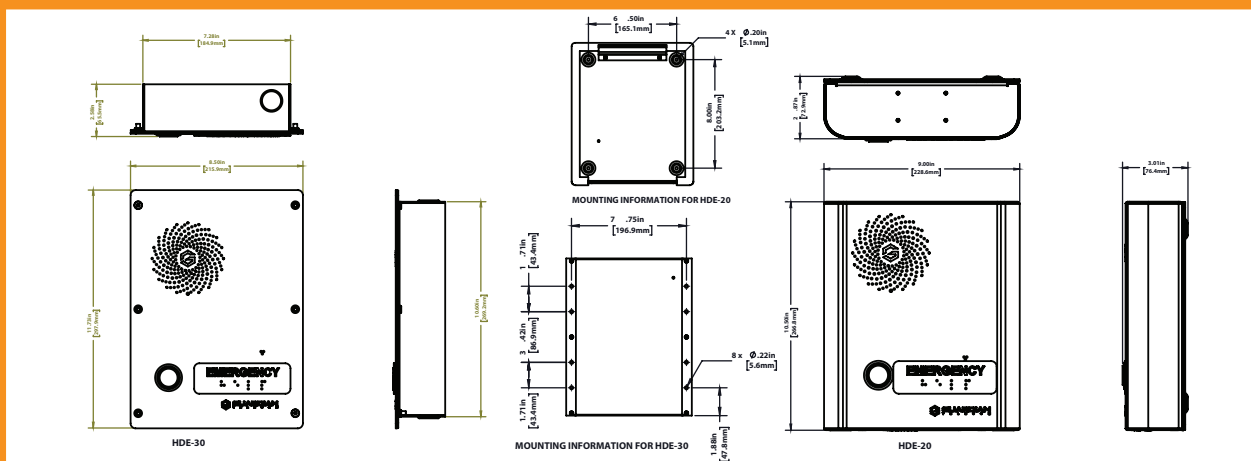
HDE telephones may be programmed to autodial two numbers or to ringdown through a PABX. These phones also provide the capability of monitoring the status of each unit from a remote location, informing personnel of a malfunction.

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.



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	316 Stainless Steel - 16 Gauge,
Finish	#4 Brushed Finish
Net Weight	
HDE-30	6.4 lbs (2.9 kg)
HDE-31	6.8 lbs (3.1 kg)
HDE-20	7.0 lbs (3.2 kg)
HDE-21	7.2 lbs (3.3 kg)
Shipping Weight	
HDE-30, HDE-31, HDE-20, HDE-21	10.0 lbs (4.6 kg)
Shipping Dimensions (L x W x D)	
HDE-30, HDE-31, HDE-20, HDE-21	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Mounting	Vertical Wall or Recessed
Wiring Access	
HDE-30, HDE-31	- Two 7/8" Holes For Owner Supplied Fittings
HDE-20, HDE-21	- Two 7/8" Holes For Owner Supplied Fittings
Hardware Material	Stainless Steel

COMPLIANCE

Industry Canada

1012A-601B

ORDERING INFORMATION

Warranty: Three years parts and labor

Order No. Description

SURFACE MOUNT SERIES

P6930	HDE-20, Single Call Button, Surface Mount, Analog
P6931	HDE-21, Single Call Button W/Keypad, Surface Mount, Analog
P6932	HDE-22, Dual Call Button, Surface Mount, Analog
P6933	HDE-23, Dual Call Button, W/Keypad, Surface Mount, Analog

RECESSED MOUNT SERIES

P6935	HDE-30, Single Call Button, Recessed Mount, Analog
P6936	HDE-31, Single Call Button W/Keypad, Recessed Mount, Analog
P6937	HDE-32, Dual Call Button, Recessed Mount, Analog
P6938	HDE-33, Dual Call Button, W/Keypad, Recessed Mount, Analog

OPTIONAL ASSEMBLY

OG-HL	OA- Hearing Loop Amplifier Module
OG-TC	OA- Hearing Loop T-Coil Antenna
P6939	HDE-PM - Polling Module

Distributed by:



GUARDIAN TELECOM, a division of CIRCA ENTERPRISES INC.
 Calgary, Alberta, Canada
 Telephone: 403 258 3100 Facsimile: 403 255 2595
 1 800 363 8010 (North America)
 info@guardiantelecom.com | www.guardiantelecom.com

Circa