

# DTR-V-H SERIES

## Industrial Desk / Wall Telephones



DTR-51-V-H  
– configured  
for desktop

### DT RANGE OF TELEPHONES

Guardian's DT RANGE are desk and wall mounted industrial telephones designed to provide safe, reliable communication in industrial areas that are prone to harmful environments, where consumer phones are not suitable. Dust and Corrosion resistant.

### DTR-V-H SERIES OF TELEPHONES

Guardian's DTR-V-H SERIES provide communication in Class I, Division 2 areas, ensuring high quality communications under extreme working conditions.

Type 4X, IP66 weather rating without being housed in a separate enclosure. High impact thermoset resin industrial housing and ergonomic heavy-duty handset. These models are suitable for demanding applications indoors and outdoors.

### ACCESSORIES and OPTIONS

- Conformal coated circuitry – protects components from humidity damage
- 20' (6.1m) Curly Cord – for DTR-51-V-H
- Headset<sup>1</sup>
- Custom colors available<sup>2</sup>

### DTR-V-H SERIES INDUSTRIAL VOIP HAZARDOUS TELEPHONES

- DTR-51-V-H - Direct Call Ringdown/Volume control Handset/Heavy duty Curly Cord
- DTR-61-V-H - Direct Call Ringdown/Volume control Handset/Armored Cord

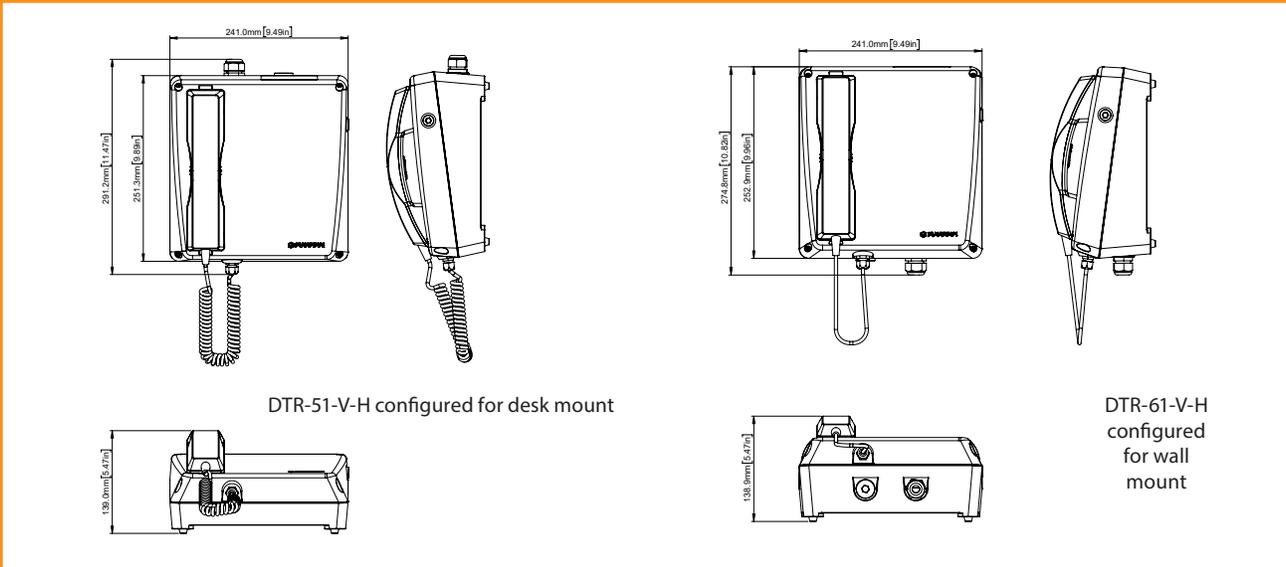
### FEATURES and BENEFITS

- PoE 802.3af enabled (Power-over-Ethernet) or alternate power source
- Compatible with SIP RFC 3261 compliant IP-PBX and Cloud based servers
- Auxilliary Relay to control external devices with multiple control modes (Refer to document P007402 – VoIP Setup and Configuration Guide)
- Network web management
- Guardian Discovery Utility makes it easy to detect, locate and launch the web based configuration screens
- Web Interface provides full configuration over device. Some key features include:
  - Handset Volume and Microphone default level settings
  - Relay activation management.
  - Call timers/
  - Event Management – Real Time Monitoring.
  - Product Updates.
  - Product Automated configuration
- High impact thermoset resin industrial housing and ergonomic heavy duty handset – IP-66 compliant
- Reversible base for desktop or wall mount configurations
- Corrosion resistant hardware
- Noise canceling microphone
- Magnetic reed hook switch to reduce parts subject to wear
- Service temperature range from -22° to +140°F ( -30° to +60°C)
- Removable handset retainer latches on cradle
- Hearing-aid compatible (HAC) receiver
- Heavy duty curly handset cord on DTR-51-V-H or vandal resistant armored handset cord on DTR-61-V-H models
- Built in auxiliary relay to switch up to 0.5A @ 30VDC
- Two M20 and one M12 gland entries

### APPLICATIONS

Refineries	Sewage Plants
Power Generation Facilities	Drilling Rigs
Pulp and Paper Mills	Hydroelectric Facilities
Food Processing Plants	Warehouses
Chemical Plants	Mines
Material Sites	Greenhouses
Cement Plants	and more . . .

## OVERALL DIMENSIONS



DTR-51-V-H configured for desk mount

DTR-61-V-H configured for wall mount

## DTR-V-H Series Hazardous Area Desk/Wall IP Ringdown Telephones

## ENGINEERING SPECIFICATIONS

### ELECTRICAL PERFORMANCE

Network Rate  
SIP Compliance  
Codecs Supported

10/100 Mbps  
SIP (RFC 3261 Compliant)  
G.711 (Mu-law)  
G.711 (A-law)  
G.729.1 (G729) and (G 729EV)  
G.722.1 (SIREN7)  
G.722.2 (AMR-AB)

### ENVIRONMENTAL

Corrosion Resistant & Dustproof  
Operating Temperature  
Ingress Protection Rating  
Humidity

Full Gasket Faceplate  
-22° to +140°F (-30° to +60°C)  
IP66  
0 to 95% RH

### ELECTRICAL REQUIREMENTS

Power Requirements

METHOD 1 - Thru LAN: POE 802.3 af (44-57V)  
METHOD 2 - External PS:

Auxiliary Relay

Switch OR via POE Injector  
24VDC @ 1A  
1.0A @ 30V

### COMPLIANCE

UL/CUL  
FCC  
IC

Class I, Division 2, Groups A, B, C and D  
Part 15<sup>†</sup>, Class A  
ICES-003 CLASS A  
CISPR 22: 2008  
61000-6-2: 2005

IEC



<sup>†</sup> 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.

### MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life

Housing Material

Handset Material

Net Weight

Mechanical Dimensions

Shipping Weight

Shipping Dimensions (L x W x D)

Mounting

Microphone

Receiver

Hardware Material

Wiring Access

>1 000 000 Operations  
High Impact Thermoset Resin Compound  
High Impact Thermoset Resin Compound  
8.68 lbs ( 3.95 kg )  
241mm[9.5"] W x 273mm [10.76"] L x 139mm [5.5"] H  
10.7 lbs ( 4.9 kg )  
16.0" x 10.5" x 9.5" ( 407 x 267 x 242 mm )  
Desk or Wall  
Noise Canceling  
Hearing Aid Compatible (HAC)  
Stainless Steel  
2 x M20 Cable Gland Entry Points

### ORDERING INFORMATION

Warranty: Three years parts and labor

Order No.	Description
P3048	DTR-51-V-H Ringdown Telephone/Curly Handset Cord
P3049	DTR-61-V-H Ringdown Telephone/Armored Handset Cord

#### Options

20C-DTR-ZONE	20ft (6.1m) Curly Handset Cord for DTR-51-V-H
CC	Conformal Coated Circuit Board
<sup>1</sup> Headset	Contact a Guardian Telecom sales representative for details.
<sup>2</sup> Custom Colors	Custom colors are available. Minimum quantities or premiums may apply. For details on custom options, contact a Guardian Telecom sales representative.

Distributed by:



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