

DTR-V SERIES

Industrial Desk/Wall VoIP Ringdown Telephones

DTR-51-V
configured for
desktop



DTR-61-V
with armored
cord

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 SERIES OF TELEPHONES

Guardian's DTR-V SERIES are SIP-enabled Outdoor Industrial desk/wall VoIP telephones that are the non-hazardous rated version of Guardian's Analog Zone 1 (DTR-Z) model. It has a Type 4X, IP66 weather rating without being housed in a separate enclosure.

DTR-V SERIES INDUSTRIAL VoIP NON-HAZARDOUS TELEPHONES

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

FEATURES and BENEFITS

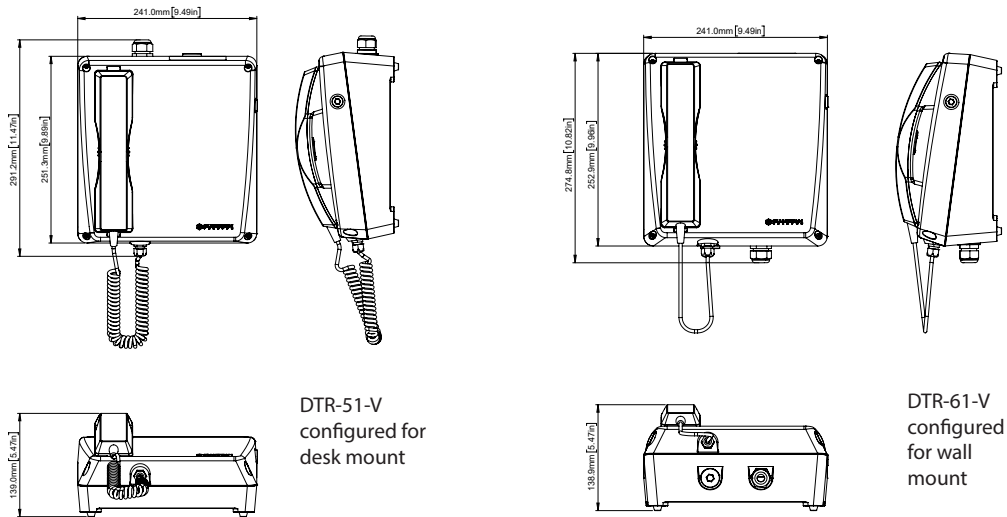
- PoE 802.3af enabled (Power-over-Ethernet) or alternate power source.
- Compatible with SIP RFC 3261 compliant IP-PBX and Cloud based servers.
- Auxilliary Relay to control external devices with multiple control modes (Refer to document P007402 – VoIP Setup and Configuration Guide).
- Network web management.
- 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.
- Operating temp: -40° to +140°F (-40° to +60°C)*.

**At below -4°F (-20°C) the LCD will stop functioning. This will not impede telephone operation. Display will return when temperature returns to the LCD operating range.*
- Removable handset retainer latches on cradle.
- Hearing-aid compatible (HAC) receiver.
- Heavy duty curly handset cord on DTR-51-V or vandal resistant armored handset cord on DTR-61-V 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
configured for
desk mount

DTR-61-V
configured
for wall
mount

DTR-V Series Industrial 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 (G729J) and (G 729EV)
G.722.1 (SIREN7)
G.722.2 (AMR-AB)

ENVIRONMENTAL

Corrosion Resistant & Dustproof
Storage Temp:
* At below -4°F (-20°C) the LCD will stop functioning. This will not impede telephone operation.
Display will return when temperature returns to the LCD operating range.
Ingress Protection Rating
Humidity

Full Gasket Faceplate
-58° to +176°F (-50° to +80°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

FCC
IC

IEC

Part 15†, Class A
ICES-003 CLASS A
CISPR 22: 2008
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.

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: Five year parts and labor

Order No.	Description
P3042	DTR-51-V Ringdown Telephone/Curly Handset Cord
P3043	DTR-61-V Ringdown Telephone/Armored Handset Cord

Options

20C-DTR	20ft (6.1m) Curly Handset Cord
¹ Headset	Contact a Guardian Telecom sales representative for details.
² Custom Colors	Custom colors are available. Minimum quantities or Premiums may apply. For details on custom options, contact a Guardian Telecom sales representative.

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