

DTT-V SERIES

Industrial Desk / Wall IP Telephones



DTT-60-V
with armored
cord



DTT-50-V
configured for
desktop



DTT SERIES has
optional push to
talk PTT handset

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.

DTT-V SERIES OF TELEPHONES

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

APPLICATIONS

Refineries
Power Generation Facilities
Pulp and Paper Mills
Food Processing Plants
Chemical Plants
Material Sites
Cement Plants

Sewage Plants
Drilling Rigs
Hydroelectric Facilities
Warehouses
Mines
Greenhouses
and more . . .

DTT-V SERIES INDUSTRIAL VOIP NON-HAZARDOUS TELEPHONES

- DTT-50-V - Silicone Keypad/Handset/Heavy duty Curly Cord
- DTT-60-V - Silicone Keypad/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.
- Auxiliary 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.
- Back-lit LCD display – 2 line x 16 character: English, French or Spanish.
- Reversible base for desktop or wall mount configurations.
- Optional Push To Talk (PTT) switch in handset to manually enable microphone.
- Audio modes – handset and hands-free speaker phone or optional headsets. Note: when the optional headset is used the speaker phone feature is not available .
- 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)*.

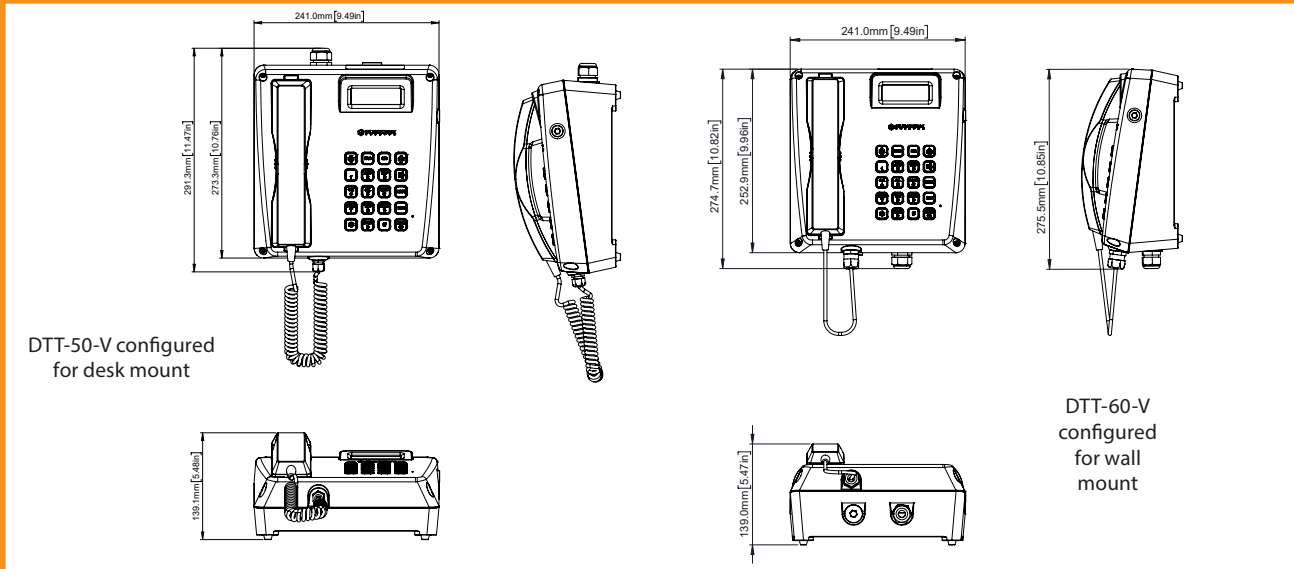
**At below -4°F (-20°C) the LCD will stop functioning. This will not impede telephone operation. Display will return when temperature returns to the LCD operating range.*
- Removable handset retainer latches on cradle.
- Large urethane coated watertight Silicone keypad.
- Autodial, memory, mute and menu configuration keys.
- Programmable auto hang-up timer.
- Hearing-aid compatible (HAC) receiver.
- Heavy duty curly handset cord on DTT-50-V or vandal resistant armored handset cord on DTT-60-V models.
- Built in auxiliary relay to switch up to 0.5A @ 30VDC.
- Two M20 and one M12 gland entries.
- Field repairable by authorized personnel.



tough. trusted. true.



OVERALL DIMENSIONS



DTT-V Series Industrial Desk/Wall IP 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
Points

>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 & 1 x M12 Cable Gland Entry

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P3040	DTT-50-V Telephone/Curly Handset Cord
P3041	DTT-60-V Telephone/Armored Handset Cord

Options

20C-DTR	20ft (6.1m) Curly Handset Cord
OA-DTT-PTT DTT Series	Push To Talk (PTT) handset, disables mic when not in-use
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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