DTT-V SERIES
Industrial Desk / Wall IP Telephones

DTT-50-V
– configured
for desktop

DTT SERIES has
optional push to
talk PTT handset

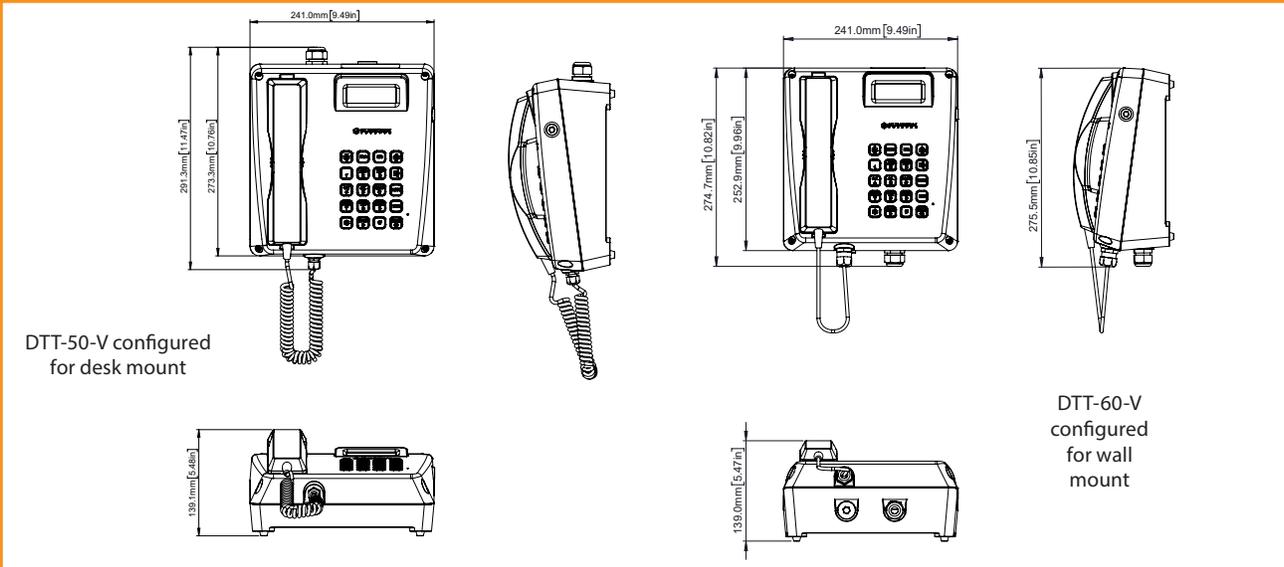## DTT-V SERIES INDUSTRIAL VOIP NON-HAZARDOUS TELEPHONES

- 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.

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	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 . . .

GUARDIAN TELECOM

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OVERALL DIMENSIONS

DTT-50-V configured for desk mount

DTT-60-V configured for wall mount

DTT-V Series Industrial Desk/Wall IP Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Network Rate	10/100 Mbps
SIP Compliance	SIP (RFC 3261 Compliant)
Codecs Supported	G.711 (Mu-law)
	G.711 (A-law)
	G.729.1 (G729J) and (G 729EV)
	G.722.1 (SIREN7)
	G.722.2 (AMR-AB)

ELECTRICAL REQUIREMENTS

Power Requirements
METHOD 1 - Thru LAN: POE 802.3 af (44-57V)	Switch OR via POE Injector
METHOD 2 - External PS:	24VDC @ 1A
Auxiliary Relay	1.0A @ 30V

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Housing Material	High Impact Thermoset Resin Compound
Handset Material	High Impact Thermoset Resin Compound
Net Weight	8.68 lbs (3.95 kg)
Mechanical Dimensions	241mm[9.5"] W x 273mm [10.76"] L x 139mm [5.5"] H
Shipping Weight	10.7 lbs (4.9 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Mounting	Desk or Wall
Microphone	Noise Canceling
Receiver	Hearing Aid Compatible (HAC)
Hardware Material	Stainless Steel
Wiring Access Points	2 x M20 & 1 x M12 Cable Gland Entry

ENVIRONMENTAL

Corrosion Resistant & Dustproof	Full Gasket Faceplate
Storage Temp:	-58˚ to +176˚F (-50˚ to +80˚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.

Ingress Protection Rating	IP66
Humidity	0 to 95% RH

COMPLIANCE

FCC	Part 15[†], Class A
IC	ICES-003 CLASS A
	CISPR 22: 2008
IEC	61000-6-2: 2005

FC CE

[†] 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.

ORDERING INFORMATION   Warranty: Three 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.*

Distributed by:

Guardian pursues a policy of continuous improvement; therefore specifications are subject to change without notice.

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