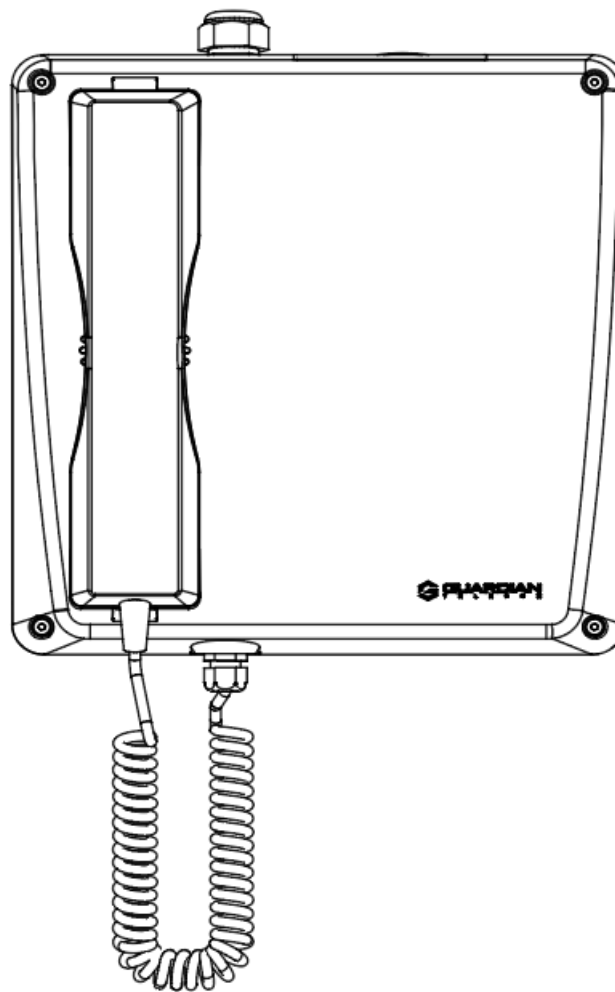


Desktop Ringdown Telephones

DTR-51-Z & DTR-61-Z

“ZONE 1”

Installation & Operation Manual



P006813 Rev. I 201005 10/7/2020 3:39 PM

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Package Contents

- (1) DTR-Z Hazardous Area Desk Top Telephone
- (1) Parts bag containing handset clips & screws, 3mm Allen key for faceplate screws & one Ring Detect Relay Enable jumper wire.

Models

- P9053 DTR-51-Z - Volume Control on Handset and Coil Cord
- P9054 DTR-61-Z - Volume Control on Handset and Armored Cord

Accessories

- P3031 Zone 1 Headset assembly.
- P007919 Ferrite core kit for IEC60945 Maritime Compliance

Overview

Desk Top Ringdown Telephones ZONE 1

DTR-51-Z and DTR-61-Z referred to as “ZONE 1” Desk Top ringdown telephones provide safe, reliable communications in hazardous areas that are prone to high humidity, chemical vapors, dust and physical abuse. The DTR-Z is a ringdown telephone that utilizes the features of the PABX to route calls to the desired location.

Features

Housing and Handset

- high impact thermoset – static dissipative

Mounting

- desk top or wall mounted

Audio Mode

- handset

Surge Arrestor

- protects the user in the event of a high voltage spike on the telephone line

Resettable Fuse

- prevents damage to the electronic circuits in the event of a high voltage spike on the telephone line

Magnetic Reed Hook Switch

- no moving parts

Built In Ring Detect Relay

- 250VAC 5 Ampere Ring Detect Relay, (no need for an external RDR)

Handset Cord

- 6' heavy duty Coil cord on DTR-51-Z
- armored cord on DTR-61-Z

Hearing-Aid Compatible (HAC) Receiver

- compatible with inductively coupled hearing-aid devices

Receiver Volume Control

- Switch in handset provides 15dB of audio range

Wide Temperature Range

- -30° C to +60° C (-22° F to +140° F) Refer to Specifications



GENERAL ALERT
ALERTE GÉNÉRALE

Warning

Electrical Hazard: This product should be installed by a licensed electrician according to all electrical and building codes.

Avertissement

De danger électrique : Ce produit doit être installé par un électricien agréé selon tous les codes électriques et du bâtiment.



GENERAL ALERT
ALERTE GÉNÉRALE

Warning

Dislocation Hazard: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

Avertissement

Risque de dislocation: Pour éviter les blessures, cet appareil doit être solidement fixé au plancher/mur conformément aux instructions d'installation.



GENERAL ALERT
ALERTE GÉNÉRALE

Warning

Hazardous Area: Before opening the enclosure, ensure that the area is safe and/or that the power conductors are not live.

When replacing the faceplate ensure that wires or other foreign objects are not trapped between the edges. Anything that prevents the base and the faceplate from being in direct contact nullifies the hazardous area rating of the telephone.

Avertissement

Zone dangereuse: Avant l'ouverture de l'enceinte, assurez-vous que la zone est sécuritaire et/ou que les conducteurs de courant ne sont pas sous tension.

Lorsque vous remplacez la plaque frontale assurez-vous que les fils ou d'autres objets étrangers ne sont pas coincés entre les bords. Tout ce qui empêche la base et la plaque faciale d'être en contact direct annule la cote de zone dangereuse du téléphone.

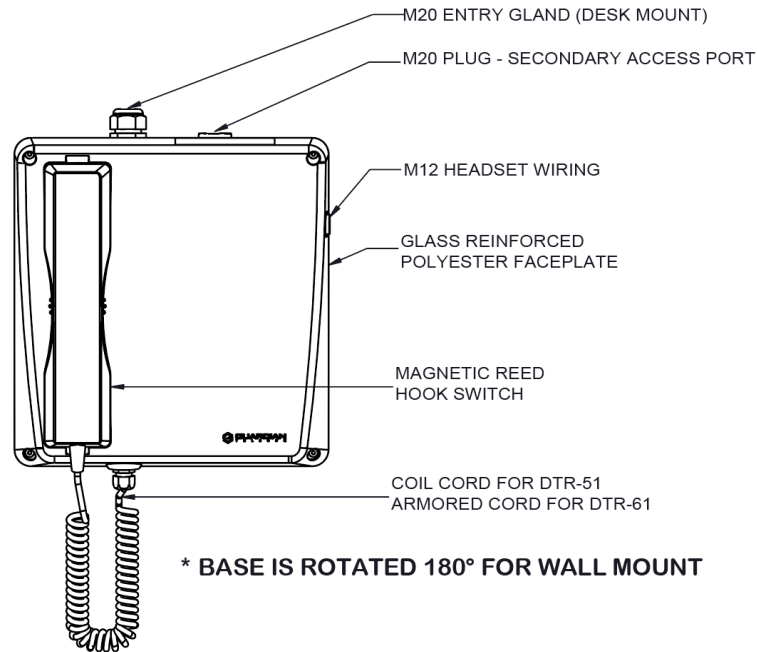


Figure 1 - Features

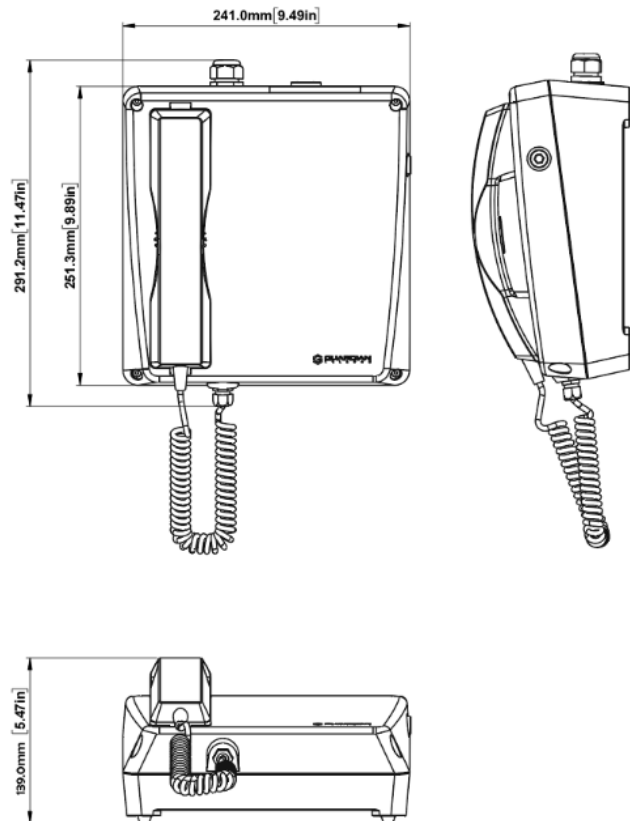


Figure 2 - Overall Dimensions

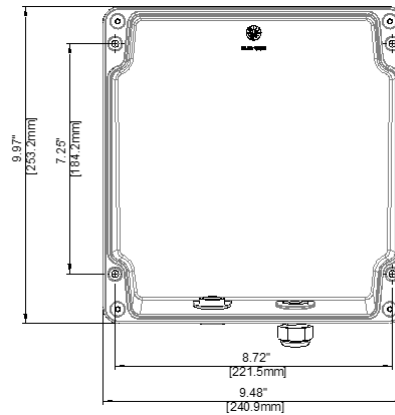


Figure 3 - Wall Installation of Base

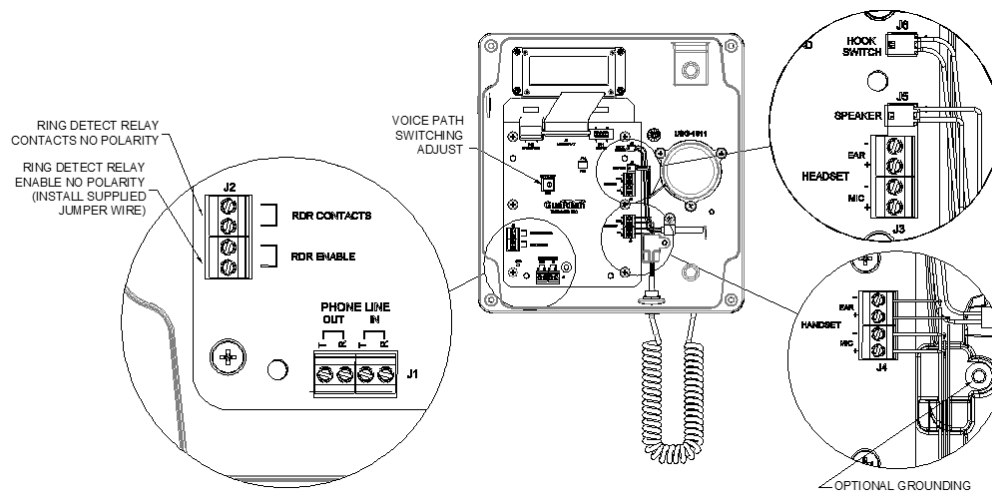
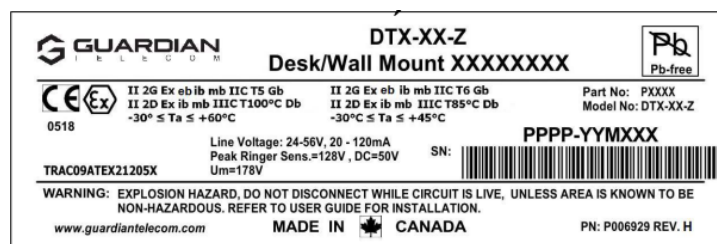


Figure 4 - Wiring



Note the above heading will be P9053 for DTR-51-Z and P9054 for DTR-61-Z

Figure 5 - Product Standard Compliance Label

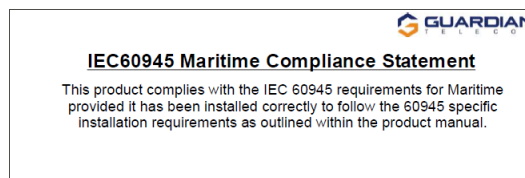


Figure 6 - IEC60945 Compliance Label (if applicable)

Installation

- DTR-Z telephones are approved for use in limited hazardous areas. Ensure that this telephone is approved for the area in which it is to be installed.
- The DTR is a ringdown telephone that utilizes the features of the PABX to route calls to the desired location.
- Follow all appropriate electrical codes and use only approved electrical fittings for the installation.
- If required install primary surge protection outside of the classified area.
- Ensure that none of the electrical connection circuits are live by disconnecting the Tip and Ring conductors at the demarcation block or PABX.
- If the built in Ring Detect Relay is to be utilized to activate an external alarm, ensure that the power conductors are not live.
- Using the 3mm Allen Key provided loosen the four-faceplate captive screws to detach the faceplate from the base.
- The telephone may be installed on a flat surface or wall mounted.

Desk Top Configuration

- If the telephone is to be desktop mounted set the base in the desired location.

Wall Mount Configuration

- If the telephone is to be wall mounted choose a location that is free of obstructions and permits space for wiring. Mount the base with the deepest dimension on the bottom. Mount as follows:
 - The telephone weighs 3.95 kilograms (8.68 pounds), ensure that the mounting can support four times the weight of the unit; that is 15.8 kilograms (34.8 pounds). Wall anchors are not included; follow the manufacturer's instructions when installing anchors.
 - Mounting to concrete or cinder block. Lead expansion anchors with M4 (#8) screws are recommended.
 - Mounting to drywall. Hollow wall anchors (Molly Bolts) with M4 (#8) screws are recommended.
 - Mounting to other surfaces. It is the responsibility of the installer to ensure that the base is attached in such a way as to support the weight specified above.
- Install the handset retainer clips on the faceplate using the hardware supplied.

See: Figure 2 - Overall Dimensions.

Special Conditions for Safe Use (Gas & Dust)

(1) The enclosure must be in a non-hazardous location in order to open and make the necessary connections. The connecting cable must be suitable for use in the EX environment (see IEC60079-14 & IEC61241-14) and be secured using the cable gland provided.

(2) The volt free contacts for the ring detect circuit must only be connected to external equipment suitably rated for its end-use EX environment (see IEC60079-14 & IEC61241-14) and be secured using the cable gland provided.

(3) During installation, it must be ensured that external wiring to connectors J1 and J2 are sheathed to within 10mm of the terminals. External wiring shall be rated for a minimum of 250V and run so that 50mm separation is maintained between wiring and terminals/connectors other than J1 and J2.

Wiring

- **WARNING: Use properly sized cable to ensure a gas/dust tight seal at the cable gland, (M12 – 2 to 5mm), (M20 – 8 to 13mm). Take care not to lose parts of the gland if the cap is removed.**
- Insert the Tip and Ring cable through the M20 gland and connect the conductors to the Phone-Line-In terminal block.
- If an extension telephone is installed the phone line out terminals may be utilized. A four-conductor cable can be used, or an additional cable can be run through the spare 20mm opening, if it is not occupied for other purposes.
- If an external alerter device is utilized, remove the M20 plug, install an appropriate cable gland and connect the wiring to the Ring Detect Relay terminal block. Enable the Ring Detect Relay by inserting the jumper wire provided across the Ring Detect Relay Enable terminals.
- Tighten the cable glands securely.
- Mount the faceplate and secure the captive screws to the base.

Warning:

Ensure that wiring or any other obstruction is not trapped between the faceplate and the enclosure. Anything that prevents the flanges from being in direct contact will negate the hazardous area protection afforded by the design of the telephone.

- Connect the Tip and Ring conductors at the demarcation block.
- If the built in Ring Detect Relay is utilized, apply power to the conductors.

Programming

Program the PABX if necessary

Testing

- Test the unit by lifting the handset to call into the exchange.

Tip: If cable diameter is not in the range of the M12 or M20 glands provided an approved reducer and smaller gland can be fitted.

See: Figure 4 - Wiring

Alternate Installation Instructions for IEC60945 Maritime Compliance

IMPORTANT - NOTE TO CUSTOMER:

Due to increased EMC/EMI and Surge protection if it is required that the phone meets the IEC60945 Maritime Standard as well as the Zone 1 Hazardous Area requirements, it is important to follow the instructions below to ensure compliance.

IEC60945 Alternate Installation:

Telephone Line Connection: The telephone line will require the addition of a ferrite Core (Optionally Supplied). Install the ferrite core by first feeding the cable into the phone gland. Install the ferrite core by wrapping the telephone Tip/Ring wires 3X (3 Turns) around the core as shown in the image below. Clamp the core together and attach to the circuit pack using the supplied bonding tape and zip tie. Complete the connections to the phone as per the standard wiring method shown.

Headset Option: If a headset is to be installed, then the headset cable will need to have a ferrite core attached (Optionally Supplied). Install the ferrite core by first feeding the cable into the phone gland. Then wrap the headset wires 2X (2 Turns) around the core as shown in the image below. Clamp the core together and attach to the circuit pack using the supplied bonding tape and zip tie. Complete the connections to the phone as per the standard wiring method shown.

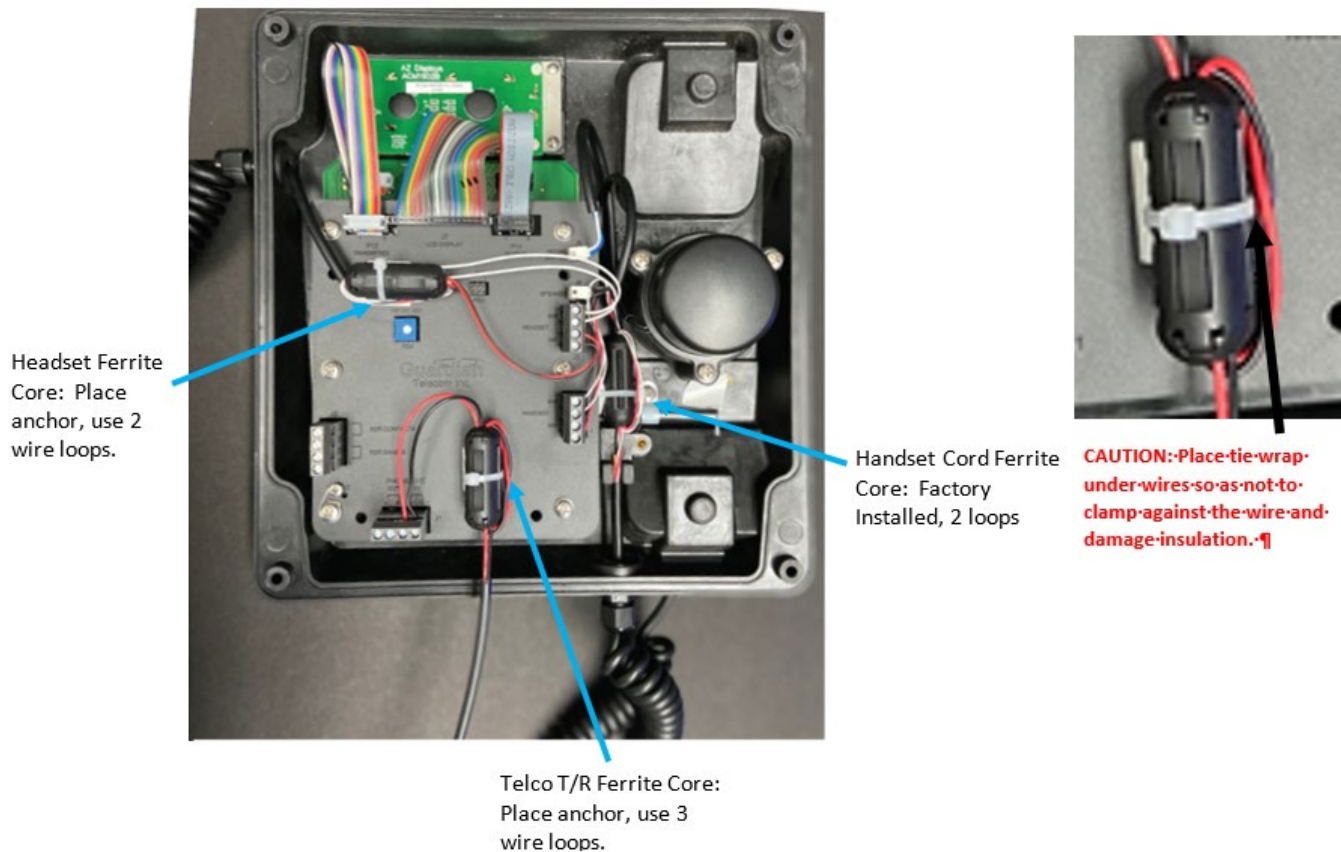


Figure 7 - Ferrite Cores Installation

Retrofitting Headset/Strobe Light/Ringer

- Disconnect telephone wiring at the demarcation block and ring detect relay power at the breaker to avoid shock hazard.
- Loosen the four captive screws in the faceplate and detach the faceplate from the base.
- Install the options following the instructions below.
- Tighten cable glands securely.
- Carefully replace the faceplate and install all four screws.
- Reconnect telephone and ring detect relay wiring.
- Test the unit by calling to and from another unit on the exchange.

Headset

- Remove the M12 plug on the side of the faceplate and install the accessory cord gland.
- Slide the accessory cord through the gland into the faceplate and tighten the gland.
- Connect the headset wiring to the headset earpiece and microphone terminal block.
- If the headset is utilized, program the phone to recognize the headset (Register Number 54).

Note: Headset Kit part no. P3031 required.

See: Figure 4 - Wiring

Strobe Light /Loud Ringer

- Remove the alerter device-wiring plug from the base and install an approved M20 cable gland.
- Insert the cable through the gland and connect the Strobe Light or Loud Ringer wiring to the Ring Detect Relay terminal block.
- Enable the Ring Detect Relay by inserting the provided jumper wire across the Ring Detect Relay Enable terminals.

See: Figure 4 - Wiring

Field Repairs & Adjustments

Field repairs may only be carried out by qualified technicians using OEM parts. Substitution of parts voids warranty and may pose a hazard to users of the equipment.

See: *Replacement Parts*

- Disconnect telephone wiring at the demarcation block and ring detect relay power at the breaker to avoid shock and explosion hazard.
- Loosen the four captive screws in the faceplate and detach the faceplate from the base.
- Perform the necessary repairs or adjustments.
- Carefully replace the front plate and install all four screws.
- Reconnect telephone and ring detect relay wiring.

Handset Replacement

- Disconnect the handset wiring from the terminal block.
- If the phone is equipped with an armored cord handset, remove the anchor screw from the armored cord lanyard.
- Loosen the handset cable gland and pull out the cord.
- Install the new replacement and tighten the gland.
- Rewire the replacement cord to the terminal block.

See: *Figure 4 - Wiring*

Headset Replacement

- Disconnect the headset wiring from the terminal block.
- Loosen the cable gland and pull out the cord.
- Install the new replacement and tighten the gland.
- Rewire the replacement cord to the terminal block.

See: *Figure 4 - Wiring*

Fuses

- ***There are no replaceable fuses in the DTR-Z.***
- The phone line fuse on the circuit board of all models is of the resettable type and is not replaceable. If the fuse trips due to an external event, it will reset in a short period of time. The duration will depend on ambient temperature and other factors. If the fuse trips repeatedly, check the telephone system wiring. The fuse protects the Tip and Ring line from the telephone system. It is usually powered at 48 volts DC and must not be connected to 120VAC or 230VAC.
- The Ring Detect Relay fuse is a 5 Ampere, fast blow fuse. It is potted to prevent an exposed spark. If the fuse blows, the circuit board must be replaced.

Magnetic Reed Hook Switch Replacement

- Unplug the Hook Switch Connector.
- Remove the screw that secures the nylon retainer.
- Replace the hook switch core with new one and re-secure/connect.

**See: Figure 9 -
Replacing the Hook
Switch**

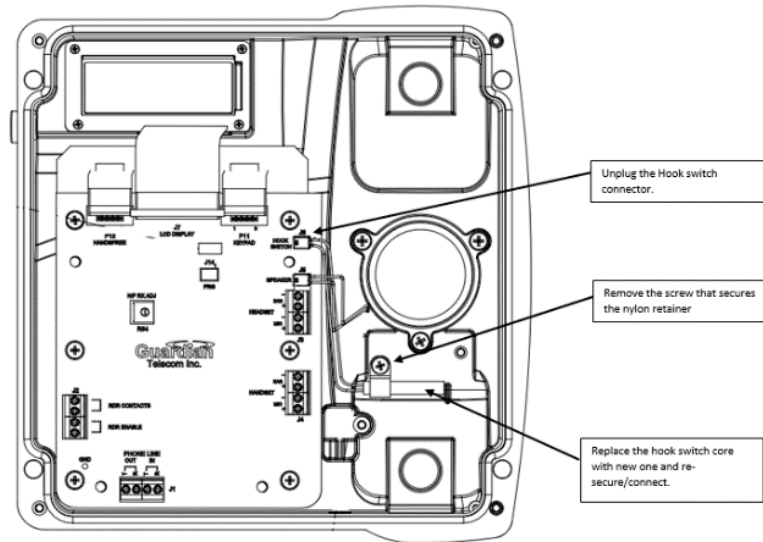


Figure 8 - Replacing the Hook Switch

Operating the DTR-Z

Lift the handset and the telephone will dial automatically. Adjust the handset volume to a comfortable level with the volume control switches on the handset.

When the call is completed replace the handset in the cradle.

Specifications	
PERFORMANCE	
AUDIBLE RANGE FREQUENCY RESPONSE	300 – 3400 HZ
RECEIVER VOLUME ADJUSTMENT	8 STEPS, 2 dB/STEP
CONFORMS TO	RESIDENTIAL AND INDUSTRIAL AREAS ETSI TBR 38: MAY 1998 (ACOUSTICS) ETSI TBR 21: JANUARY 1998 (TELEPHONE NETWORK)
RINGER OUTPUT	>85 dB @ 1M
RINGER IMPEDANCE WITHOUT RING DETECT RELAY	>7K OHMS @25 Hz, 30-90 VAC >4K OHMS @ 50Hz, 30-90 VAC
RINGER IMPEDANCE WITH RING DETECT RELAY	>4K OHMS @25 Hz, 30-90 VAC (RDR NOT RECOMMENDED @ 50Hz)
SET IMPEDANCE	600 OHMS NOMINAL
MAXIMUM LOOP	15,000 Ft (4,600 M) OF 22 AWG COPPER
ELECTRICAL	
RINGER SENSITIVITY	40 – 100 V, 16 – 25 Hz
LINE VOLTAGE	24 – 56 VDC
LOOP CURRENT	22 - 100 mA
CONNECTION METHOD	TERMINAL BLOCKS
FUSE - MAIN TELEPHONE CIRCUIT	250 mA – AUTO RESET
FUSE – RING DETECT RELAY	5 AMP 250 VOLT FAST BLOW
ENVIRONMENTAL	
INGRESS PROTECTION RATING	IP66
OPERATING TEMPERATURE	-30° TO +60° C (-22° TO +140° F)
STORAGE TEMPERATURE	-50° TO +80° C (-58° TO +176° F)
HUMIDITY	0 TO 95% RH
DUSTPROOF	FULLY GASKETED ENCLOSURE
MECHANICAL	
HOOK SWITCH (CRADLE SWITCH) LIFE	>1 000 000 OPERATIONS
HOUSING MATERIAL	GLASS FILLED POLYESTER (CARBON LOADED)
HANDSET MATERIAL	GLASS FILLED POLYESTER (CARBON LOADED)
DIMENSIONS (H x W x D) WALL MOUNTED	291 x 241 x 139 MM (11.5 x 9.5 x 5.5 INCHES)✓
NET WEIGHT	3.95 KG (8.68 LBS)
SHIPPING DIMENSIONS	407 x 267 x 242 MM (16 x 10.5 x 9.5 INCHES)
SHIPPING WEIGHT	4.8 KG (10.5 LBS)
MOUNTING WALL STRENGTH REQUIREMENT	15.8 KG (34.8) LBS
MICROPHONE	NOISE CANCELING
RECEIVER	HEARING AID COMPATIBLE (HAC)
MOUNTING	DESK OR WALL
WIRING ACCESS	2 x M20 CABLE GLAND ENTRY POINTS

COMPLIANCE
CE 2813

NOTIFIED BODY

SIRA CERTIFICATION SERVICES







CERTIFICATE NUMBER

TRAC09ATEX21205X

DECLARATION OF COMPLIANCE BY GUARDIAN TELECOM AVAILABLE

DECLARATION OF CONFORMITY ON FOLLOWING SHEET

ATEX coding

 II 2G Ex eb ib mb IIC T5 Gb
 II 2D Ex ib mb IIIC T100°C Db
 -30°C ≤ Ta ≤ +60°C
 II 2G Ex eb ib mb IIC T6 Gb
 II 2D Ex ib mb IIIC T85°C Db
 -30°C ≤ Ta ≤ +45°C

Replacement Parts		
Part No.	Description	Field Replaceable
P001462	O-Ring for faceplate screws (4 required)	Yes
P002254	Magnetic reed hook switch	Yes
P004123	Nylon fastener for hook switch	Yes
P006614	Handset retainer	Yes
P006617	Allen key for faceplate screws	Yes
P006656	Receiver cartridge	No
P006668	M20 Plug	Yes
P006679	M12 Gland	Yes
P006687	Switch – Volume Control Handset	No
P006690	M20 Gland	Yes
P006819	Ringer Speaker	No
P006862	M12 Plug	Yes
P007013	Microphone cartridge	No
P007198	PCBA, Main circuit board	No
P007693	DTR faceplate	No
P007694	Telephone housing base with gasket molded in	Yes
P007738	Handset with coil cord	Yes
P007741	M4 Faceplate screws (4 required)	Yes
P007744	Handset with armored cord	Yes

EU Declaration of Conformity**EU DECLARATION OF CONFORMITY****Declaration No. P90XX0420-1**

We, the undersigned:

Name of Manufacturer: Circa Enterprises Inc. / Guardian Telecom, A Division of Circa Enterprises Inc.
Address: #10, 2256 29 ST NE, Calgary, AB, T1Y 7G4
Country: Canada

Declare under our sole responsibility that the following apparatus:

Product description: Desktop Telephone – Zone 1
Part No / Model No / SN.: P9051 / DTT-50-Z / PPPP-YYMXXX
P9052 / DTT-60-Z / PPPP-YYMXXX
P9053 / DTR-51-Z / PPPP-YYMXXX
P9054 / DTR-61-Z / PPPP-YYMXXX
P9066 / DTT-50-Z-PTT / PPPP-YYMXXX

Brand name: Guardian Telecom, A Division of Circa Enterprises Inc.

Are in conformity with the following relevant EU legislation:

ATEX directive 2014/34/EU

Based on the following harmonised standards:

EN60079-0:2018
EN60079-7:2015+A1:2018
EN60079-11:2012
EN60079-18:2015+A1:2017

Additional information:

ATEX coding



II 2G Ex eb ib mb IIC T5 Gb
II 2D Ex ib mb IIIC T100°C Db
-30°C ≤ Ta ≤ +60°C
II 2G Ex eb ib mb IIC T6 Gb
II 2D Ex ib mb IIIC T85°C Db
-30°C ≤ Ta ≤ +45°C



Year mark first applied

2013

And therefore complies with the essential requirements of those directives.



The following Notified Body has been involved in the ATEX conformity assessment process:

Notified Body	CSA Group Netherlands B.V, Utrechtseweg 310, 6812 AR, Arnhem, Netherlands
Notified Body No.	2813
Role:	Issue of ATEX Quality Assurance Notification (QAN)
Certification Lab	Element Materials Technology Unit 1 Pendle Place Skelmersdale, WN8 9PN, United Kingdom
Certificate No.	Issue of ATEX EU Type Examination certificate TRAC09ATEX21205X and QAN SIRA 10 ATEX M473

Additional directive compliance exclusive to the above and performed by other 3rd party laboratories:

Restriction of Hazardous Substances: 2011/65/EU

IEC-60945:2008 – Maritime Navigation and Radio Equipment and Systems – When special manufacturing/installation steps followed – *Optional Compliance*.

EN60950-1:2006 – Information Technology Safety

EN55022:2008 & EN55024:1999 – EMC/EMI for Information Technology Equipment.

Name and position of person binding the manufacturer or authorised representative:

Signature



Name:	Kevin Sera
Function:	Director of Engineering
Location:	Circa Enterprises Inc. Guardian Telecom, A Division of Circa Enterprises Inc. #10, 2256 – 29 Street NE, Calgary, AB, Canada, T1Y 7G4

Date of issue:	2020-08-18
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Warranty

Guardian Telecom, a division of Circa Enterprises Inc. warrants that its products are free from defective workmanship and materials. Guardian Telecom will, within three years from the date of final sale to the customer, replace or repair any such products provided they are returned to our facilities for examination. Freight costs (including brokerage if applicable), both to and from Guardian, are the sole responsibility of the customer. This warranty does not extend to any items that are deemed to have been misused, modified, neglected, improperly specified, improperly installed, or used in violation of instructions or specifications approved by Guardian Telecom. Guardian Telecom, a division of Circa Enterprises Inc. shall not be liable for incidental or consequential damage of any kind caused by any defect in our product. The total liability shall not, under any circumstances, exceed the purchase price of the products furnished by Guardian Telecom, a division of Circa Enterprises Inc.

Disclaimer

The products covered by this manual are designed for use in Industrial Environments and/or Hazardous Locations. Due to the range of possible applications for these instruments, the manufacturer will not be responsible for damages or losses of any kind suffered as a result of the use of this product, including consequential damages.

Warning

This device may be opened and reassembled by qualified personnel only, for the purposes of installing the product, making adjustments and replacing components, following the instructions in the product manual. Before opening this telephone disconnect the wiring at the demarcation block.

High voltages may be present in this product when connected to telephone wiring.

Service Telephone Number

1-800-363-8010

Guardian Telecom provides a customer service telephone number, which is toll-free within North America. If you need assistance when installing or operating this product, please call the toll-free telephone number between regular business hours (8:00AM-5:00PM), Mountain Standard Time. If you are calling outside of regular business hours, please leave a detailed message, and a member of Guardian Telecom's Service Department will return your call as soon as possible. If your product requires service, Guardian personnel will supply you with an RMA (return materials authorization) number over the telephone or through our web site product return page. This number must be included with your return address and the name of the person to contact.

Guardian Telecom, a division of Circa Enterprises Inc.

Toll-free 1-800-363-8010

Ph. (403) 258-3100

Fax. (403) 255-2595

www.guardiantelecom.com

Feedback

Guardian Telecom continually strives to make reliable, durable, and easy to use products. If you, as an installer or user of our equipment, have any suggestions for improvements to this or any of our products or documents, including this manual, we would appreciate hearing from you.

Guardian Product Return
Guardian products have been quality tested and are in full working order when shipped from the factory, given the rugged nature of these products shipping is not expected to damage a unit. In the unlikely event of a malfunction Guardian follows the three-step procedure below.
<i>Step I - On-Site Correction</i>
<ul style="list-style-type: none">• The most common source of difficulties with a new product is improper installation in one of two ways: incorrect wiring connections or connection to an incorrect power source.
<ul style="list-style-type: none">• Product wiring needs to be properly connected to the on-site wiring. Correct wiring instructions are shown in the user manual included with the product.
<ul style="list-style-type: none">• Connecting a telephone to a standard power source, rather than tip & ring, will trip the telephone's internal resettable fuse. In the event that the fuse trips, disconnect the telephone from the power source and reconnect following the wiring diagrams provided with the product.
<i>Step II - Return Materials Authorization (RMA)</i>
<ul style="list-style-type: none">• When a product has been installed following user manual instructions and the unit fails to operate, the user must contact Guardian Telecom to obtain authorization to return the product. This can be done by completing an RMA form online at https://www.guardiantelecom.com/support/rma/, or by calling the service telephone number given in this manual.
<ul style="list-style-type: none">• After providing information on the product, the owner and the nature of the problem, Guardian will issue a RMA number, to be shown on documentation returned with the product.
<ul style="list-style-type: none">• In addition to the RMA number, shipping documents should include name, address and telephone number of the owner along with contact information for the person responsible for the repair and/or the user who identified the malfunction.
<ul style="list-style-type: none">• (Where a product is being returned for repair from outside of Canada, customs documentation must show the product's serial number, date of export [date of purchase], and a notation that the equipment is: "Canadian goods returning.")
<i>Step III - Factory Authorized Service</i>
<ul style="list-style-type: none">• Once received, each product is carefully inspected and tested. If the product is under warranty, repairs are completed and the product returned to the owner, generally within five working days of receipt by the factory.
<ul style="list-style-type: none">• A product that has been subjected to misuse, neglect or accident or is beyond the warranty period will be evaluated. The service department will provide the owner's representative with a repair cost estimate. Once approved, repairs are completed and the product returned, generally within five working days.

Cleaning Tips for Guardian Telephones

Guardian Telephones may occasionally need to be cleaned to maintain appearance. Generally, wiping the surface with a clean, water-dampened cloth will remove most films or residues. If the soiling is too stubborn for plain water, a mild detergent solution may be used. Be sure to wipe away any detergent residue with a plain water dampened cloth. The Telephone may be cleaned with any general-purpose household glass and surface type cleaner. Do not spray the telephone directly! Spray the cleaner on a soft cloth then wipe the surface. Pre-treated cloths such as those used for eyeglasses or cameras may be used to clean the Telephone. Premoistened towelettes may also be used, however, avoid those containing lanolin or aloe as they will leave a slippery residue. The handset and surface of the telephone may be cleaned with disinfectants used for general cleaning in a medical environment. Isopropyl alcohol may be used applied with a cloth. Avoid using alcohol on silicon-based keypads, since doing so may significantly degrade legibility.

- Do not use furniture polishes, waxes or plasticizer-based cleaner (Armor All etc.)
- Do not use lanolin, aloe, glycerin or other skin care type products.
- Do not apply any solvent such as acetone, mineral spirits etc.
- Do not directly spray or immerse the handset.

Storage

General Storage (All situations):

- Note any stacking limits or warnings on packaging (if any).
- Do not store in temperatures over +80C.
- Store in original packaging if possible until needed.

Long Term Storage (> 6 Months):

- If area is air-conditioned and not subject to high changes in humidity, continue to store in original packaging.
- If wide humidity shifts are expected, then use these steps:
 - Remove product from packaging (including plastic bags) and store on shelf in open air.
 - If area is subject to a high degree of dust, to help maintain cosmetic appearance you can cover with cloth (Do not cover with plastic or materials that will trap moisture) or clean periodically.
 - Do not store out of packaging long term where they are exposed to sunlight. Long-term exposure to UV may cause fading on plastic parts.



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