PRODUCT SELECTION GUIDE: ENERGY & UTILITY

GUARDIAN TELECOM

tough. trusted. true.

With such an expansive product line, it can be a lot to digest if you don't spend your entire day thinking about these products as we do. Some questions you have to ask yourself when considering which product(s) are the right fit are: Do I require a hazardous area certification? If so, which one(Class 1, Divsion 1, Zone 2, etc.)? Do I need an weather rating? If so, which one (Nema 3R, IP66, etc.).

Luckily, Guardian Telecom makes that easy and have put together this product listing catered to the Energy & Utility market and if you are still not 100% sure, don't worry, we are also available to discuss your project specific needs if needed using whatever medium you prefer (email, phone, online meeting, etc).

ATEX-IECEx TELEPHONES * NOW IN ANALOG OR VOIP

Economical and effective Zone 1 protection

Guardian ATEX-IECEx phones have a temperature range of - 30° to + 60° (-22° to +140°) and an IP66 Ingress Protection Rating.

Zone 1 DTT-Z / DTR-Z / Series Telephones

ATEX-IECEx Zone 1 certified products provide safety and protection in atmospheres where a mixture of air and flammable substances in the form of gas, dust, vapor or mist are likely to occur frequently or for long periods. ATEX-IECEx Zone 1, Zone 21 approved - T5 & T6 rated.

Forward looking design

The same trusted product that has been utilized in an analog format for years, are now available in a voice over IP platform to allow for infrastructure upgrades while still providing the comfort level of a tried and true product.

DTT-V-Z

DTR-Z

*IECEx certification pending

ANALOG EXPLOSION PROOF TELEPHONES, RINGERS & SPEAKERS

EXT Series — Explosion Proof Telephone

Provides safe and reliable communications service in Class I and Class II Division 1 areas. EXT-401 — Oversized buttons for gloves-on operation

EXT-401

EXT-401 — shown with CE20 Line Powered Explosion Proof Ringer and backplate

CE20 — Line Powered Explosion Proof Ringer

For use indoors and outdoors in hazardous areas where flammable gases, vapors or dust may be present. Class I, Division 1, Groups B, C and D

CE20

CE20 — with projection horn

SR40/SR60 — Explosion Proof Speaker, Ringer & Speaker/Ringer

A loudspeaker for paging applications, loud ringer to signal incoming phone calls, or both functions can be combined in one device. Class I, Division 1, Groups B, C and D

SR40/SR60

VOIP HAZARDOUS CLASS I, DIVISION 2 TELEPHONES

WRT-V-H / WRR-V-H Series — Hazardous Area Telephones

Guardian's WRT-V-H/WRR-V-H SERIES Weather Resistant Industrial VoIP Hazardous Telephones are designed for use in Class I, Division 2 hazardous areas where the atmosphere may be hazardous due to the presence of gases, dust, or fibers.

WRT-30-V-H

WTT -H / WTR-H Series — Water Tight Hazardous Area Telephones

Guardian's WTT-V-H/WTR-V-H SERIES Water Tight Industrial VoIP Hazardous Telephones offer maximum efficiency under extreme environmental conditions.

WTT-40-V-H

SCT-V-H Series — Hazardous Area Steel Compact Telephones

Engineered to deliver reliable, high quality communications in moderately harsh environments; where standard telephones are not suitable. Designed for use in industrial applications and ideal for noisy areas. Class I, Division 2.

SCT-10-V-H

DTT-V-H / DTR-V-H Series — Hazardous Area Telephones

Type 4X, IP66 weather rating without being housed in a separate enclosure. Designed to provide safe, reliable communication in industrial areas that are prone to "extreme" harmful environments, ensuring high quality communications under extreme working conditions.

DTT-V-H

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DTT -V / DTR-V Series — Industrial Telephones

Safe, reliable communication in industrial areas that are prone to harsh environments, where standard phones are not suitable. The highly durable weatherproof IP66 enclosure can be user configured for either desk or wall mount. DTT-V models have a hands-free speaker phone and can be programmed for speed dialing. Lift a DTR-V Ringdown Telephone handset and the autodialer routes the call to its assigned location.

DTT-50-V   DTR-51-V

WRT-V / WRR-V Series — Weather Resistant Telephones

Designed for moderately harsh environments where standard phones are not suitable. esists moisture, dust and harmful corrosive chemicals. Lift a WRR-V Ringdown Telephone handset and the autodialer routes the call to its assigned location.

WRT-10-V   WRR-41-V

WTT-V / WTR-V Series — Water Tight Telephones

With Type 4X & IP66 ratings these watertight IP Telephones offer maximum efficiency under extreme environmental conditions. The sturdy thermoplastic resin enclosure protects the internal circuitry against wind blown dust, rain, corrosion, splashing and high pressure water.

WTT-30-V   WTR-41-V

ACT-V / ACR-V Series — Heavy Duty Cast Aluminum Telephones

ACT-V and ACR-V Telephones meet the demanding requirements of sites that are prone to abuse and inclement weather. Housed in a locking or non-locking aluminum enclosure they are resistant to moisture dust and corrosive chemicals. Specially designed for outdoor environments.

ACT-30-V   ACR-41-V

We know that you may not only require telephones so there are also items to consider related to the system side of our product offering. On top of assessing the hazardous/environmental needs, a few things to consider are: Do I need one or two-way communication from the operator/control room to the facility? Do I need hands-free communication from the driller's cabin to the drill floor or other rig locations? On top of that you may need to take a look at our services to assist in design and/or commissioning.

TALKBACK SYSTEMS

EXP-TBA — Explosion Proof Talk/Back Station

Provides easy to operate paging with the versatility of a hands free field speaker.

EXP-TBA — Water tight/dust tight CSA Type 4X (IP66) Enclosure

Seven easy to operate paging models to choose from. 2, 3, 4 or 5 channel versions available. Primary field speaker can be hands free or Push-to-Talk on select models.

TELEPHONE ACCESSORIES & ENCLOSURES

Enhance or Replace Telephone Components

• Vandal & Weather Resistant Instrument Enclosures

> WTE-100 — CSA Type 4X (IP66) Thermoplastic Resin enclosure. Weather resistant, lightweight, yet highly durable, fire rated, impact and UV resistant material

Ring Detect Relays & Off Hook Relays. Optional Weather Proof and Explosion Proof Relay Enclosures.

Standard and Advanced Speaker-Phone/Ringdown Circuit Board Kits

ACOUSTIC BOOTHS

Guardian Acoustic Booths

Enhanced communication in areas with high levels of background noise. Each Acoustic Booth can be fitted with a Guardian Telecom telephone suited for specific needs and depending on the model can be equipped with a variety of accessories including interior lights, strobe lights, ringers and speakers.

AB-100

— Sheet aluminum. Noise Attenuation of up to 24 dB

AB-1000 — Glass reinforced plastic.
Noise Attenuation of up to 25 dB with the new high performance polyurethane acoustic liner

Depending on the model, accessories can include interior lights, strobe lights, ringers and speakers

LEGACY PAGE/TALK STATIONS

PTI — Page/Talk Indoor Stations

Easy to operate paging. Select from eight different configurations including one or five talk lines, ambient noise level sensor and headset plug-in option. Class I, Division 2 & Class II, Division 2.

Single talk line with ambient noise sensor

Five talk lines with ambient noise sensor with optional flush mount kit and optional Push-to Page Headset (*for non-hazardous areas)*

PTO — Page/Talk Outdoor Stations

Water/dust tight, Type 4X (IP66) enclosure. Easy to operate paging. Eight different systems with one or five talk lines, ambient noise level sensor and headset plug-in option. Class I, Division 2 & Class II, Division 2..

Five talk-lines with headset receptacle (*for non-hazardous areas)*

Five talk lines with ambient noise sensor and

PTD — Page/Talk Desk Station

Provides easy to operate paging.

Select from systems with one or five talk-lines. Class I, Division 2 & Class II, Division 2.

PSA — Page/Talk Speaker Amplifier

Add extra speakers without the need for a paging station.

Speaker amplifier

Speaker amplifier with ambient noise sensor

Extremely durable Thermoplastic -resin enclosure for outdoor applications, Type 4X (IP66)

LEGACY PAGE TALK EXPLOSION PROOF STATIONS

EXP — Page/Talk Explosion Proof Station

Designed for Class I and II, Division 1 areas. Select from systems with one or five talk lines. Type 4X (IP66) enclosure.

EXP-A — Page/Talk Explosion Proof Speaker Amplifier

Designed for Class I and II, Division 1 areas. Type 4X (IP66) enclosure.

PAGE STATION REPLACEMENT MODULES

PPA & PPR — Page/Party® † and other Third-Party Page Station Replacement Modules
PTA & PTR — Guardian Telecom Page/Talk Replacement Modules

Safe, reliable and cost effective solution for industries that require additions, repairs or replacements to their existing Paging and Communication systems. Compatible with both single or multi-line party page stations. Class I, Division 2, Class II, Division 2
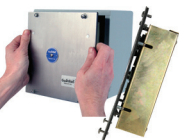
PPA — Page Station Amplifier Replacement Module

PPR — Page Station Handset Amplifier Replacement Module. Shown here with Ambient Noise Sensor on Faceplate

PPA — Page Station Amplifier Replacement Module with Ambient Noise Sensor on Faceplate

PTA — Page Station Amplifier Replacement Module

PTA — Page Station Amplifier Replacement Module with Ambient Noise Sensor on Faceplate

PTR — Page Station Handset Amplifier Replacement Module. Shown here with Ambient Noise Sensor on Faceplate

Page/Party® is a registered Trademark of GAI-Tronics® Corporation. Any reference to GAI-Tronics® does not imply their endorsement of Guardian Telecom products.

LEGACY PAGE TALK SYSTEM COMPONENTS

MIZCS Merge Isolate Zone Control / MICAB Merge Isolate Switching Cabinet & MICON Master Control Station

Isolate users into smaller zones. Merge function brings together all or select zones. Designed to expand when needed — add five-zone multiples in tandem

PTTI — Page/Talk Telephone Interface

The PTTI connects a Page/Talk system to a public or private Telephone system.

Wall mount PTTI

Rack Mount PTTI

PTL — Page/Talk Line Balance Assembly

Provides the line loading resistance necessary to minimize noise, sidetone and crosstalk in a Page/Talk System.

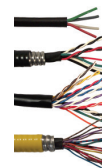### PTJ — Page/Talk Terminal Junction Box

A convenient method of branching out up to five legs of Page/Talk system wiring from one location.

AG17 — Multi-Tone Alarm Generator

Reliable ten-tone generator with user programmable alarm tone, priority duration and triggering.

PAGE TALK SYSTEM CABLE

Page/Talk System Cable

Standard Guardian cabling types include single or multiline plus speaker in armored or non-armored varieties. Customized system variations that require special cable configurations are also Guardian supplied. CSA approval for hazardous areas available.

LOUDSPEAKERS AND RINGERS

Guardian Telecom manufactures, supplies and distributes a wide selection of Explosion Proof, Hazardous Area, ATEX and General Area Loudspeakers & Ringers from leading manufacturers around the world.

Guardian trained and qualified personnel work with customers to specify individual product or total project solutions and make informed purchasing decisions based on budget, technology, applications and relevant standards.

In2iT IN-PLANT COMMUNICATIONS

In need of an upgrade? Guardian Telecom, A Division of Circa Enterprises Inc. constantly strives to deliver above and beyond our clients requirements and as such is pleased to announce the release of the In2iT In-Plant Communications System(s). At Guardian we have decades of experience with equipment in operation equally as long. With continued quality and reliability at the forefront Guardian Telecom 's Page Talk / PAGA platform(s) have been redesigned to provide our customers with the latest technology. In2It's easy to use, rugged superiority helps solve In-Plant Paging problems while maximizing integration options and easing implementation costs. Keeping the Tough.Trusted.True approach in mind when enhancing our product lines means that your team members will have the same product appearance that they have come to know for familiarity and ease of use but including all the latest features that the industry has come to expect. With a newly refined, standardized head-end (System Control Frame) our Legacy Systems will now come with the following industry leading features to provide a system that allows you to do what you do best and not have to worry about having to work around a communications system that isn't meeting your needs.


System Control Frame Key Features

- A/B Architecture
- N+1 Architecture
- Central / Distributed Paging
- Standardized Main Distribution Frame (MDF) for wiring ease
- 12 Zones Standard (Expandable to 60)
- Hot swappable Zoning Modules
- 32 Alarm Inputs (Logic conversion capable to allow for ultimate flexibility)
- Alarm priority reconfiguration without re-wiring
- Software configurable
- Secured system management
- Multiple security levels (administrator, operator & service) to tailor feature access as needed
- Remote diagnostics and monitoring
- Remote speaker level management
- Supports both IP and analog endpoints

Paging System Endpoints

- Microprocessor based technology
- 30W integrated paging amplifier
- Self-Monitoring / Diagnostics
- Remote Configurable
- Hazloc Certified
- Indoor, desk, outdoor and hazardous area end points
- Handset & Amplifier or Amplifier only options
- Easy one button access to operator
- Backwards compatible to legacy Guardian systems
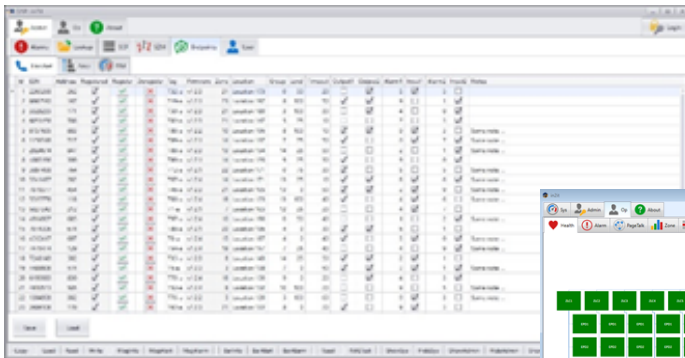
User-friendly Access Panel GUI for configuration, operation and health monitoring

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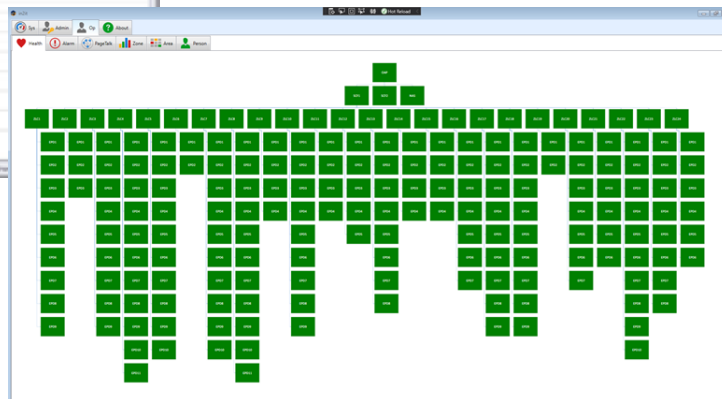
ENERGY & UTILITY SOLUTIONS

EXTENSIVE HISTORY

Guardian's beginnings were in the oil and gas sector and this rich history continues today. There are not many markets as demanding as the energy & utility sector and Guardian has spent nearly 35 years gaining hands on experience and delivering what is needed to keep your operation running.

WIDE VARIETY OF TELECOMMUNICATIONS PRODUCTS

With no two locations being exactly alike, a "one size fits all" approach won't cut it! From Telephones, to Page/Talk, or PA/GA to Talkback, Guardian Telecom has a product to meet or exceed your requirement and deliver the critical communications in a cost effective, reliable manner.

HAZARDOUS AREA

In an active facility, the communications traffic is extremely critical and seconds can matter. With explosive atmospheres being common place it is no time for cutting corners. Clear, concise communication is the expectation and is what Guardian delivers.

VoIP OR ANALOG

With the ever-changing requirements, you can expect our diverse product line to have the right product in analog and/or VoIP to fit right in to your facility and make integration easy.

G@? 3F5: 76 E7DH;57!EGBBADF

With an understanding that you don't always have time to plan ahead, we manage our inventory to ensure industry leading turnaround for your materials to meet the project timeline. If you do get to plan ahead, we are fully equipped to assist right from the early design all the way through to site acceptance.

FULL TIME OPERATION

As your facility is a 24/7 operation, we design and build our products with maximum uptime front of mind to provide the peace of mind to know that they will operate when you need them to. ALWAYS!

ON/OFFSHORE

On top of the typical drilling realities, communications between on and offshore facilities present even further challenges. Marine environments are highly corrosive and only the toughest products survive. These requirements are taken into account during the design stage from material selection to circuitry encapsulation , we have you covered.

THE GUARDIAN ADVANTAGE

Industry Leading 5-Year Warranty. As a reflection of our unwavering commitment to quality, Guardian Telecom offers our industry leading 5-Year Warranty, so you have complete peace of mind.

SECURITY

The focus on safety and security has never been greater than it is today. If safety is your priority, you need the confidence that your help points are going to work, when you need them to – in times of emergency or assistance, 24/7. Our products are designed for absolute reliability, for and maximum uptime ensuring optimal performance.

RUGGED SUPERIORITY

Just making a low-cost telecom device to operational minimum industry standards is not good enough. Guardian Telecom products are designed and engineered from the ground up to work in the harshest of environments. Engineering and manufacturing of a secure area help point is never compromised at Guardian Telecom.

VALUE

Because our products are built to last, require less repairs, are easily installed, have innovative features and will keep working in the most difficult conditions, you will see return on your investment. No costly repairs, no expensive downtime, no replacing broken telecom equipment; the result, your net operating costs will go down.

QUALITY

In today's marketplace, some say quality is a given. At Guardian Telecom, quality is a passion. We embrace the ISO Quality Management Standard and are ISO 9001:2015 registered.

EXPANDABILITY

Guardian Telecom has built a reputation for our willingness to customize products to make them work the way our customers want and need them to operate. From camera mounts, enhanced lighting, wireless access points, solar panels to the use of color, graphics and labeling.

MADE IN NORTH AMERICA

Founded in Canada over 30 years ago, our products have been proven, tested, and trusted in the most strenuous environments around the world. Our help point devices and mounts are all manufactured in-house in Canada all based out of our headquarters in Calgary, AB, Canada.

THE NEW INDUSTRY STANDARD

Guardian Telecom innovates, because that's what our customers demand and that's what the future of the industry demands.

Guardian Telecom solutions are truly innovative.

We know that to help you succeed, we must keep pace with the challenges you face daily, now and in the future. When we designed our help point series, we had to go beyond the industry standard to meet those challenges; like, rugged reliable components, condensation and corrosion resistance, easy access panels, easy low-cost installation. We future proofed for features; like, Wireless Access Points, Media converters, power supplies, paging speakers, and other emerging technologies.

Guardian Telecom is offering you a new standard in product design, reliability, safety, quality and value. Welcome to the new industry standard.

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GET THE GUARDIAN TELECOM ADVANTAGE!

Guardian Telecom products come with an industry leading 5-year warranty. Don't accept anything less.

Tel: 1 800 363-8010 (toll free in North America)
Tel: 1 403 258-3100
E-mail: sales@guardiantelecom.com
www.guardiantelecom.com

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