

# XtelAlert Alarm, Control, and Logging

*The ARU that does more than any other!*

## Unattended Site Voice Callout Unit

Environmental damage, equipment repair and lost production at remote or unattended facilities can be detrimental to your business.

The **XTelAlert (XTA)** voice callout unit can assist in reducing or eliminating these losses by providing staff with reliable advanced warning, remote control and diagnostic trend information.

The **XTA** reduces solar power and cabinetry installation costs because it is designed for low power consumption and harsh outdoor environments where there is the threat of lightning, power surges, and extreme temperature swings. No heating or cooling is required, saving energy costs and reducing greenhouse gases.

## Features and Benefits

The **XTelAlert (XTA)** is a robust state-of-the-art data and voice alarm monitoring/logging/control unit that reliably monitors remote or unattended assets.

- Local programming and usage is easy with the built-in speaker/keypad. The local keypad keystrokes and the telephone keystrokes are the same, reducing confusion and operator training. Voice prompts assist operator during programming.
- XTA can be programmed over the telephone using a Touch-Tone telephone or with a personal computer and modem, eliminating the requirement for costly site visits.
- Removable terminal blocks allow for quick installation and easy operation.
- Ideal for industrial and solar powered applications where extreme temperatures (-40 to +60C), lightning and ESD and unreliable or no commercial power are common.
- The XTA is designed with three stages of lightning protection and five stages of power surge protection to reduce failures and repair costs.
- **XTelAlert** can be expanded and upgraded in the field at any time enabling adaptation of future needs.
- Supports popular serial communication in master or slave mode allowing easy interface and data interchange with existing SCADA, DCS, PLC, VSD or serial sensors.
- Alarm callouts can be processed over telephone, cell phone, satellite phone, 2-Way radio, pager or locally, thereby contacting personnel wherever located. Input status interrogation can be remotely performed at any time by staff with a simple call to the unit, reducing expensive site visits and providing peace of mind.
- A 32 number telephone directory and 9 call list sequences easily provides 9 shift changes with minimal user programming.
- Associative alarm reports alarms to selected phone numbers.
- User programmable site identification, 24 user recordable labels and hundreds of built in labels are available for assignment to any alarm input or output
- Output relays can be programmed to automatically activate when binary or analog inputs exceed specified limits, providing an easy means of warning staff or protecting equipment. Operator can also call unit and operate an output.
- Data logging in either a circular or linear log provides the user with valuable historical information concerning digital alarms or analog signals such as flow, pressure, temperature, level etc.
- Internal or external microphone allows remote monitoring of local noise sources to give user listen-in capability.
- Internal **XTA** diagnostics test the incoming power voltage, internal battery condition, processor reset state and ambient temperature to notify personnel if there is any necessary maintenance to achieve maximum reliability.
- **XTA** universal platform allows the **XTA** to be used at any site regardless of how you are connecting to it. One **XTA** can do the work of 3 competitor's products saving you training time and maintenance costs!

Capability ** (Not all features are available at the same time)	Min-Max
Modbus/DF1/DGH Registers *	<b>100</b>
Binary Alarm Inputs (NO/NC)	<b>4-16</b>
Analog Inputs (mA, or V)	<b>3-13</b>
Data Logging (Cumulative/Rolling)	<b>100/15</b>
Control Outputs (L/M, NO/NC, ESD/Controlled)	<b>4-13</b>
Frequency & RTD Input	<b>1/1</b>
RS232/RS485 Data Ports	<b>3</b>
Temperature Sensor Local/Remote with report	<b>1</b>
Microphone Internal or Ext	<b>1</b>
Wireless, 2-Way & Data Radio	<b>Y</b>
Decision Tree for mini PLC	<b>Y</b>
Landline/Cellular/Satellite	<b>Y</b>
32 Ph. #'s, 9 Shift lists, with Associative Callout	<b>Y</b>
Built in Keypad and voice prompts for Easy local programming	<b>Y</b>
Windows Interface for remote programming	<b>Y</b>
Over the Air "Firmware" upgrades	<b>Y</b>
Built for harsh conditions. (Cold, Heat, Lightning)	<b>Y</b>
12 – 32 DC (Solar, UPS or 110AC with adapter)	<b>Y</b>
Backup Battery Life	<b>~5yrs</b>
Built in Battery & power alarms	<b>Y</b>
Web Logging/Sensor compare /Work Order Assignment coming soon	
** Basic unit has 4 inputs. All other configurations are optional. Can be upgraded remotely when required	
*Other Protocols available on request	



Quality Telecommunications Engineering

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# XtelAlert XTA

## Reliability Is Everything!

*A versatile, alarm callout, data logging, remote control device!  
Made for a Northern Winter & a Southern Summer!*

### *Asset Management & Protection*

- Monitors equipment operational status 24 hours per day 7 days a week
- Automatic alarm notification to support and operations personnel
- Corrective action and response easily communicated back to remote location



#### *XTA's are currently used in:*

- Production Facilities
- Pipelines & Pumping Stations
- Tank Farms & Storage Compounds
- Well Sites & Reclamation Sites
- Communications Sites
- Power Generation Sites
- Weather Stations & Airports
- Air Conditioning & Heater Units
- VFD Monitoring & Control
- Building Security & Safety
- Anywhere that you have remote or unattended valuable assets.

***Operator Friendly!***

- 4 Binary Inputs standard
- Expandable to 16 Binary Inputs, 13 Analog Inputs, 1 RTD Input, 1 Frequency Input, 4 Outputs (+9 Outputs using Modbus), 3 RS232/RS485
- Data Logging
- 100 Modbus, DF1, and DGH Registers
- Upload to website to view real time data!
- Works With: Satellite, Land Line, CDMA Cellular, Analog Cellular, Two-way Radio,
- 32 phone/pager #'s & 9 shift sequences
- Answering service simple for lone worker
- Selective calling based on the alarm feature
- Locally or remotely programmable

***Digital Cell Phone Ready!***

Xtel is committed to supplying cost effective, INNOVATIVE, reliable, state-of-the-art technology backed by knowledgeable service.

For more information or to purchase an XTA, please call:



**An XTA can enhance production, increase site security and provide worker safety!**