

## ZONITH ALARM INPUT OVERVIEW

ZONITH provides technical interfaces, called Listeners, for the majority of alarm sources in the market. All Listeners come with an intuitive software user interface which allows the setup of alarm texts, filtering etc. All Listeners are software based for Windows, but some of them require hardware for signal conversion. These Listeners are available:



### SMTP Email Listener

This listener is used when the alarm source is capable of sending an email when an alarm is triggered.

Example: Hotel management systems, fire panels, data centers, building management systems.



### Serial / ASCII Listener

This listener is used when the alarm source writes out alarm information on a serial port when an alarm is raised.

Example: Fire panels, building management systems.



### Text Message Listener

This listener is used to trigger alarms activated by pushing the emergency button of a DMR or TETRA radio or with the radio's telemetry settings. Also support for GSM based SMS text messages.

Example: Panic button activation, monitoring personnel entry in a room.



### SmartPhone Listener

Smartphone equipped with the ZONITH App works on both Android and iOS.

Example: Panic button activation, call for assistance.



### I/O Listener

This listener is used when the alarm source is a set of input signals which indicate a given alarm situation. Often used in legacy electrical systems and factory automation systems.

Require MOXA I/O modules to be used.

Example: Connecting to closing contact of wiring in the engine room of a ship.



### Bluetooth Panic Alarm Listener

This listener is used with ZONITH's Bluetooth ID Badge panic button, and the fixed mounted wireless Panic Buttons.

Example: A press on the panic button will immediately activate notification of assistance.



### Alarm and Task Raiser

Alarm and Task Raiser is used to send notifications to individual users and groups. Pre-defined and free-form messages can be sent from the Windows desktop client. Example: Emergency messaging to mobile workers, severe weather notification, basic job ticketing solution.



### SNMP Listener

This listener is used when the alarm sources are Network Controllers that output alarms in SNMP format. Example: Data center Monitoring or Building Management Systems.



### OPC Listener

This listener is used when the alarm source is an OPC (Open Platform Communication) server. Example: Factory equipment, machinery and automation systems.



### Command Line Listener

This listener is used when the alarm source is capable of executing an external program and insert alarm information as part of its command. Example: Monitoring of servers and other technical machinery operating on the Windows platform.



### ESPA4.4.4 Listener

This listener is used when the alarm source outputs to the pager protocol ESPA4.4.4. The physical output from the alarm source will be serial RS-232 or RS-485. Example: Fire panels  
Require ZONITH's ESPA-to-LAN converter unit to be used.



### IMPC Listener

For monitoring responses to ping messages from IP networks. If no response alarms will be raised. Example: In an installations with many LAN network connected components, like a radio network repeater, the Listener will send "pings" to the IP address of the repeater to check if it is alive or not.