SEB Critical Systems Alarm

What is the SEB Critical Systems Alarm?

This Alarm is an integrated system with copper conductors throughout SEB used to monitor many critical equipment or systems and contact the end user if a fault occurs.

How Does the System Operate?

The system is able to monitor many standard scientific equipment outputs and customer installed sensors (Dry Contacts, Thermistors, 4-20mA, etc.) and is programmed to initiate an alarm if specific thresholds (+ and -) are exceeded. The system will notify designated lab personnel of the fault and system status.

Alarm Notifications:

When parameters exceed a programmed threshold the system will sequentially contact the laboratory personnel as determined by the group's Principal Investigator until the alarm is acknowledged. If no acknowledgment is made, the system will repeat the cycle.

The alarm system utilizes two phone numbers and may call from either 702-774-1473 or 702-774- 1406. It is recommended all points of contact save these numbers in their device as SEB Alarm (555) in order to prevent confusion and aid as a reminder of the alarm response code.

How Should I Respond to an Alarm?

If an alarm exists that you are responsible for, the system will call via voice line, describe the malfunction, repeat the status twice, and then request the call recipient acknowledge the alarm.

To acknowledge the alarm dial code is **555** on your phone keypad. This acknowledgment will be logged and stop the dial-out procedure so an immediate lab response may be required. If you accept the call, but do not dial 555, the system will merely hang up and contact the next person in the call list

Checking Alarm Status:

For a voice report, at any time you may call 702-774-1473 or 702-774-1406 and press any key at the beep. The system will then recite all alarms or conditions if any issues exist. You may also find an every 5- minute live system status on the SEB websites using the following link: https://www.unlv.edu/seb/alarm- system

Lab Responsibility:

The system and its sensors are robust so false calls are ultra-rare. Monitoring is set to fail safe causing a dial-out if a sensor malfunctions or is unplugged. The system is monitored and tested by the SEB Assistant Director of Research Infrastructure however; it is the responsibility of the lab to test the alarm function to confirm it is responding as expected.

Note: The system default is to call any time a fault occurs regardless of day or time. Personnel who are only available during certain days or times can be programmed for calls within a certain contact window. Labs are also responsible for providing updates system administrator as changes occurs so the system programming and contact list may be kept up to date.

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