

## Muting the AFA 500

There are four ways to silence the audible alarm on an AFA 500 fume hood or bio-safety cabinet alarm.

### **1. Temporary mute**

When the monitor is in alarm mode, press the enter button. The horn will remain off for the duration of the alarm condition. When the monitor returns to safe mode, the alarm will be re-enabled for the next time the monitor has an alarm condition.

If the user wants to use a *temporary mute with a ringback feature* — wherein the audible alarm will resume after a set time period — this can be accomplished by connecting two wires from the relay output terminals to the + and SW terminals on the sash high input relay.

Once this connection is made, an low air alarm also will initiate the sash high alarm. If a user pushes the enter button for a temporary mute, it will re-sound after five minutes.

For more information on the TEL AFA 500 in North America, contact Holland Safety Equipment at 847-680-9930 or [info@hollandsafety.com](mailto:info@hollandsafety.com)



### **2. Permanent mute**

When the monitor is in normal operation mode, press and hold the set button for 10 seconds. The audible alarm will beep three times to indicate the alarm is disabled. When the airflow is in the normal/safe condition, the green LED will flash to indicate the alarm has been disabled. When the airflow is in a fail/unsafe condition, the red light will blink and no horn will sound. To undo the permanent mute, press and hold the set button for 10 seconds. The audible alarm will beep three times to indicate the alarm is enabled.

### **3. Night Setback**

This is a “temporary” mute activated by electric input. The monitor has two dry contact relay inputs on the back. To enable night setback, wire an external element (a building automation system or the hood power, the fan power, the room light, etc.) into the correct relay inputs. Then, when the external element changes states (turns on/turns off, etc.) it sends a signal to the relay to switch from open to closed. When the monitor enters night setback mode, the audible alarm is disabled. If there is sufficient airflow, the green light will blink. If there is an air fail condition, the red light will flash. Then, when the external element changes states back to the original condition, the relay switches back and the alarm returns to normal operating mode (the horn is re-activated automatically and the green light returns to solid state).

To make sure everything is set properly, activate the blower switch on and off while looking at the monitor to make sure the mode is changing as intended.

### **4. “Link” power**

This approach involves wiring the monitor so when the power to an external source (such as the hood light) is shut off, the monitor powers off as well. This can be done by wiring the outlet that powers the monitor to lose power whenever the light loses power (kind of how a TV, DVD player, etc., all shut off when turning off the community surge protector/power strip). The monitor will remember its calibration when power is restored.