

AFA 500 CALIBRATION OPTIONS

On the circuit board of each TEL AFA 500 airflow monitor, both for fume hoods and bio cabinets, there are two jumper receptacles, J2 and J3.



When we ship the fume hood monitor version, the jumper is installed on J2, this allows for single-point calibration at the alarm position (achieved by adjusting sash height until a thermoanemometer shows the desired alarm point, usually 80 fpm).

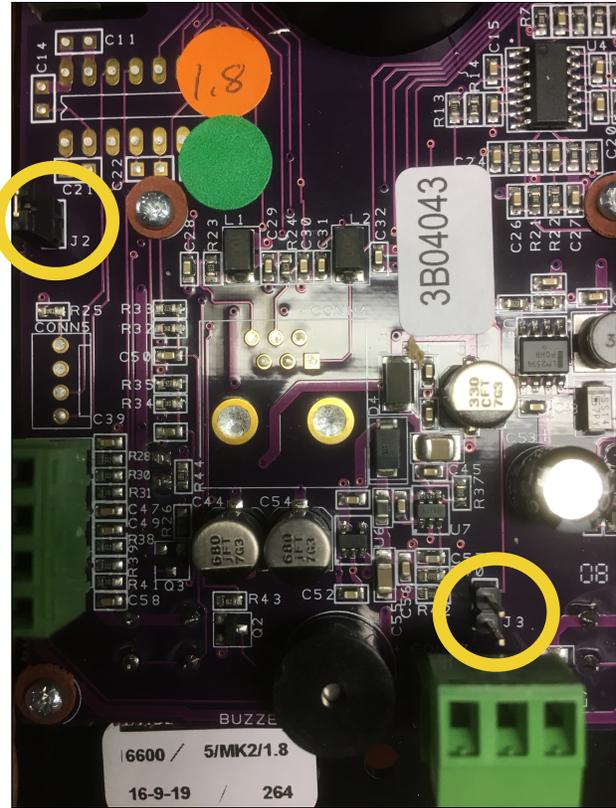
On the BSC version, we put the jumper on J3, this enables the standard BSC calibration. By using the same single-point, pushbutton process, users can calibrate the 500-BSC at normal operating condition and the low air alarm set point is automatically established at a 20 percent reduction in the sensor's electrical output.

These jumpers can be easily switched in the field by removing the rear case to access the circuit board. However, if a fume hood alarm is calibrated in the BSC configuration, it might cause an issue where the monitor may never see low enough velocity to go into alarm, even with the fan fully turned off. In these situations, we recommend confirming the jumper is on J2 and then repeating the calibration process.

With both jumpers fully removed, the monitor is ready for two-point calibration as detailed in the full manual.

These receptacles are located on different parts of the circuit board based on the case style of the monitor. On the MK2 version (for surface mounting), J2 is on the middle left side of the board while J3 is in the lower right, just above the terminal for the sash sensor input relay. On the MK3 version (for factory installation), the receptacles are just to the left of the airflow sensor with J2 on top and J3 beneath.

For more information, please contact Holland Safety Equipment at 847-680-9930 or info@hollandsafety.com.



Circuit boards for the TEL AFA 500 MK2 (above) and TEL AFA 500 MK3 (below) fume hood monitors.

