

# Consistently Monitor Material Levels

Eliminate costly material shortage problems and machine downtime with Conair's Level Alarm Control. Sensors mounted to your blender's material bins constantly monitor the level of material within the blender. Audible and visual indicators will activate when material levels are above or below your sensor position depending on your selection.

Individual sensors are available with detachable monitoring cables for use with removable bins. Also, individual sensor switches allow you to change the level alarm to sense high or low material levels.



**Level Alarm Control**  
Model LAC-1

## Simple-To-Use Material Level Alarm Control

The Conair Level Alarm Control module is a simple-to-use early warning detection system for your blending equipment. This module is capable of monitoring up to six levels of material at one blender with an extra input for auxiliary needs, typically a surge bin or other material supply. Selector switches can be adjusted to monitor high or low material levels depending on your blender application.

Audible and visual alarms indicate an excess or shortage of material within a blender. The alarm indicates exactly which material bin is alarming with an associated LED.

Optional remote warning alarms can be added to your module to alert you to alarm conditions from further distances with audible and/or visual indicators.

### ▶ **Multiple monitoring setpoints**

Configure the Level Alarm Control module to detect a combination of high or low material levels within one blender. Individual setpoints can be used to keep your material bins from being overfilled by your conveying equipment or to closely monitor the low levels of critical materials.

### ▶ **Easy to install**

The Level Alarm Control module is mounted directly to the blender cabinet with four self-tapping screws for easy visual alarm indication. Additional optional remote warning indicators can be added to the module to signal you of alarm conditions from further distances.

### ▶ **Monitor up to six material bins, plus one**

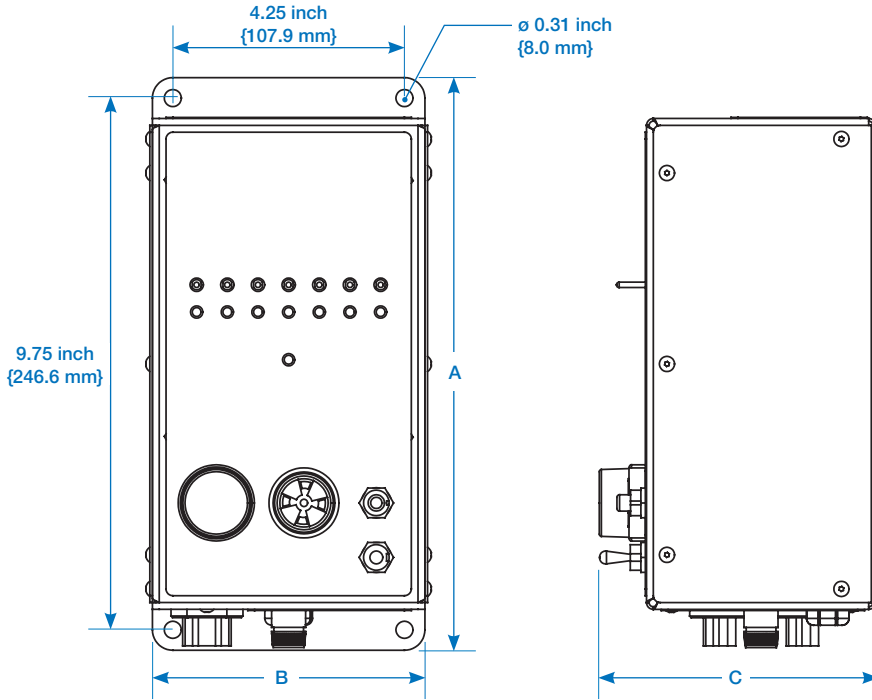
Monitor a combination of up to six material bins with one additional input to monitor auxiliary material sources.

### ▶ **Easy disconnects for material bin removal**

Optional sensor cables are available for removable material bins. These cables can also be joined together for larger size blenders with the addition of extension cables.



# Specifications



Models	LAC-1
<b>Dimensions</b> inches {mm}	
A - Height	10.5 {267}
B - Width	5.2 {132}
C - Depth	5.0 {127}
<b>Approximate weight</b> lb {kg}	
Installed	7 {3.2}
Shipping	17 {7.7}
<b>Voltages</b> Full load amps*	
110V/1 phase/60Hz	5
220V/1 phase/50Hz	2.5
<b>Line voltage output*</b>	
110V/1 phase/60Hz	(2) 110V @ 2.5 amps
220V/1 phase/50Hz	(2) 220V @ 1.3 amps
<b>Dry contact voltage outputs</b>	
	24VDC @ 8 amps
	115VAC @ 10 amps
<b>Specification Notes</b>	
* The line voltage output is determined by the voltage requirements of the LAC-1. Specifications can change without notice. Contact your Conair representative for the most current information.	

# Options

- Sensor cable length extensions (6 meters, 20 meters)
- Additional capacitance sensors (for use with a surge bin or other material sources)
- Remote alarms (compatible with Conair's Universal Alarm Box)

### Application Note

The Level Alarm Control module has seven (7) capacitance sensor connections. Up to six (6) can be used for the monitoring of material levels. The seventh sensor can be used with a surge bin or other material storage device located beneath the blender. The eighth connection is a dry contact output with (1) N.O. (normally opened) and (1) N.C. (normally closed) contact that can be connected to other processing equipment or monitoring devices. (For example, an output used with an alarm connected to a PC monitoring system.)



### Capacitance sensor connections



The Level Alarm Control module's capacitance sensors are positioned within a blender's material bin sight glass to provide adjustable material level detection. The sensor can be positioned high on the sight glass (left image) to monitor material levels of high throughput applications or low on the sight glass (right image) to monitor material levels of low or less critical throughput applications.

### Remote alarms option

#### Satisfactory state:

When there is no alarm condition this outlet will supply a continuous flow of 110V/220V single phase power. Only during an alarm will the power supply be terminated.

#### Alarm state:

During an alarm condition this outlet will energize any 110V/220V remote alarm indicator that is connected. This outlet will not have power at any time other than during alarm conditions.

