

# PRODUCT BULLETIN

**BACHARACH**

## Acknowledging Alarms on Multi-Zone Monitors

Bacharach Multi-Zone monitors handle alarms in two ways, *Automatic* and *Manual*

- 1) If you are using a third-party EMS, choose "*Automatic*". This will allow the unit to reset once alarm conditions clear.
- 2) If you are utilizing the lights and relays on the unit to alert you of leaks, choose "*Manual*". Manual is the default setting on your monitor. This setting will force a manual acknowledgement on the monitor before the unit resets. This is important if, for instance, the leak only shows during an unattended time, or at night. You would never know you had a leak unless you made a habit of checking the alarm log history regularly.

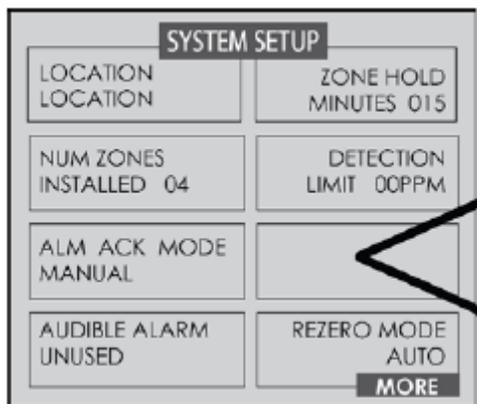


### Changing the Alarm Acknowledge Mode

This function programs the relays in the unit for latching or non-latching operation.

**AUTO** (Non-latching) - Alarm relay will automatically de-energize when the gas level drops below its alarm point.

**MANUAL** (Latching) - Alarm relay remains energized, and will not release until the alarm condition has been manually acknowledged.



### Alarm Acknowledge Mode selection

This function programs the relays in the unit for latching or non-latching operation.

1. Highlight the "*ALM ACK MODE*" box and press the ENTER key to adjust the setting. Use the *UP/DOWN* cursor keys to toggle between settings.
2. Press ENTER to accept the new entry or ESC to revert to the previous setting.

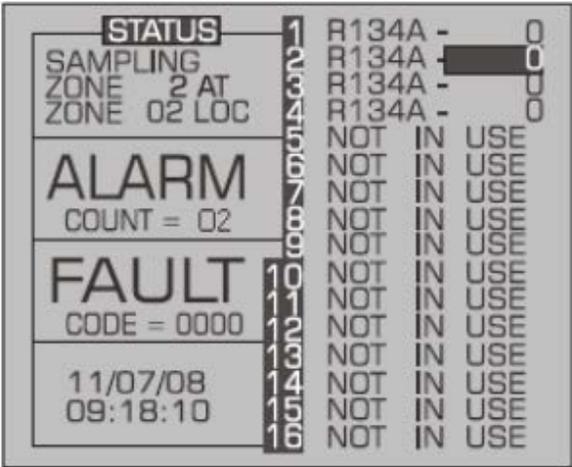
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## Acknowledging Alarms (Monitor in Manual Acknowledge Mode)

### Responding to Alarms (Manual Latching Mode)

An operator can respond to the alarms by accessing the **Alarm Summary Screen**. Navigate to this screen by selecting *ALARM* on the first (**Data Display**) screen. To further investigate an alarm, press the *ENTER* key to go to the **Alarm Detail Screen**.

### 3.2. Data Display Screen



The **Alarm Summary Screen** displays a list of all alarm conditions pending across the network. The screen is divided into 8 boxes, and each box represents a single alarm. If more than eight alarms are pending, the *MORE* option will be displayed at the bottom of the screen to permit access to that additional information.

Each box displays the zone number, zone name, and the current PPM reading. A flashing box indicates an alarm that has not been acknowledged. A static box represents an alarm that has been acknowledged, but has not yet been cleared from the system. Select the zone to be acknowledged and press *ENTER*. This will take you to the alarm detail screen for that zone.

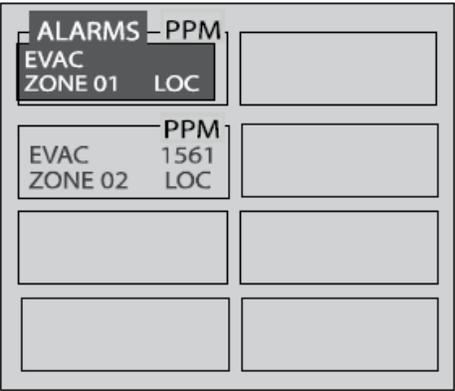


Figure 4-3. Alarm Summary Screen

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The **Alarm Detail Screen** displays comprehensive information about the nature of the alarm, including:

- Complete location information
- Gas type and current concentration (CONC NOW)
- Peak concentration and peak time
- Type of alarm, alarm time, and date.

This screen provides the following navigation options at the bottom of the display:

**ACK** - Use the left arrow key to acknowledge the alarm as described in the next section

**Acknowledge the alarm by pressing the left arrow key twice.**

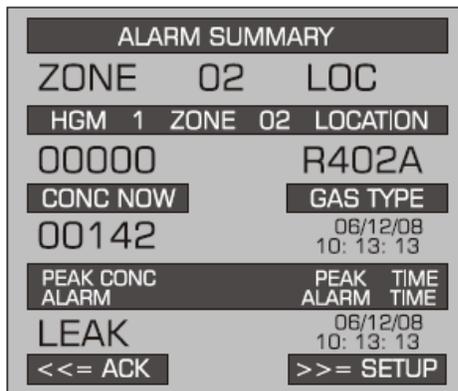


Figure 4-4. Alarm Detail Screen

## Acknowledging Alarms

Each pending alarm requires acknowledgment before the system returns to normal operation.

To acknowledge an alarm, navigate to the **Alarm Detail Screen** and select the *ACK* option as previously described. You will be returned to the **Alarm Summary Screen**, and the box associated with that alarm will no longer be blinking, indicating that the alarm has been acknowledged. Repeat this procedure to acknowledge any remaining alarms.

**Visual conformation alarm has been acknowledged box now shows "ACKD"**

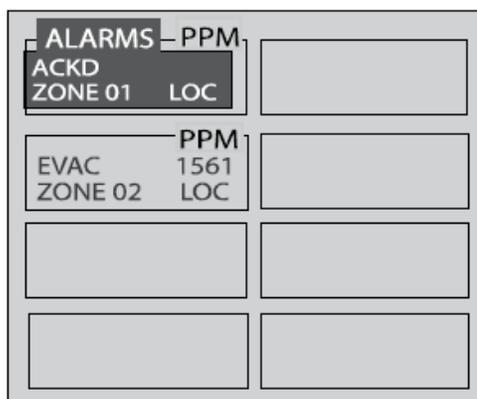


Figure 4-5. Alarm Summary Screen (Acknowledge Mode)

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Once all of the alarms associated with a given MZ monitor are acknowledged, its **red LED** will turn off, and any external alarms connected to the MZ relays will deactivate. All pending alarms across the entire network must be acknowledged before the Remote Display returns to normal operation. Once that occurs, its **red LED** will turn off, and any associated external alarms connected to the RD relays will deactivate.

Keep in mind that the system will continue to generate new alarms if PPM values above the alarm thresholds are detected.