



CHEM-LO ALARM I

10-2001

ONE PRODUCT—MACHINE POWER

CHEM-LO ALARM II

10-2003

TWO PRODUCT—MACHINE POWER

CHEM-LO ALARM III

10-2005

THREE PRODUCT—MACHINE POWER

FEATURES & BENEFITS

- Reliable & cost effective
- Fast & easy installation
- Ideal warewash low product alarm
- Low voltage 12v power supply
- Safe operation with no current flow
- Instant response signal
- Audio/visual alarm with ON/OFF switch
- Kynar sanitizer fittings
- Digital circuitry
- Machine power

OVERVIEW

Chem-Lo Alarm Systems monitor and alert the user when chemical supply containers are out of product. The Chem-Lo Alarm system can be used with any chemical dispensing system i.e. dishmachines and pumping dispensers. When a container is out of product, the alarm will immediately flash the warning lights & sound the audio alert. The Reset/Mute silences the alarm for 5 minutes, when the button is pressed the resetting of systems takes place. The LED's will continue to alarm/flash until the chemicals have been replenished.



CHEM-LO ALARM I
1 Product Supply

CHEM-LO ALARM II
2 Product Supply

CHEM-LO ALARM III
3 Product Supply

WARRANTY

TCD Parts Inc. warrants each product to be free from defects in material and workmanship under normal usage for a period of 1 year from the date of original purchase and shipment. In the event of such defects within the warranty period, the company will, at its option, recondition or replace the product without charge. This shall constitute the sole and exclusive remedy for breach of warranty, and the company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the company has no control. This warranty will be invalidated by any abuse, misuse, misapplication or improper installation, opening or altering of the product at the determination of TCD Parts Inc.

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INSTALLATION

1. Four mounting bracket tabs are included with screws to attach to the Chem-Lo Alarm. Mount the unit to any surface within 8 feet using hard-wire directly to the dishmachine or dispenser.
2. Connect the chemical supply line from the chemical container to the 1/4" Input compression fitting and tightening securely.
3. Connect the chemical supply line from the machine/dispenser to the 1/4" Output compression fitting and tightening securely.
4. **IMPORTANT** Run dishmachine or dispenser to **PRIME** the chemical lines ensuring that **ALL** air bubbles are absent and removed from the system.

POWER REQUIREMENTS

1. The Chem-Lo Alarm system is powered by the dishmachine power terminal or the dispenser power wiring system.
2. The Chem-Lo Alarm system can be connected to 240/120 volt with the use of a built in board converter.
3. The Chem-Lo Alarm system comes with 8 feet of 2 wire shielded cable. The use of conduit to Chem-Lo is facilitated with the use of a 1/2" conduit fitting. Mounting of the system should be as close to the chemical supply as possible.

INSTRUCTION FOR USE

1. START UP

When the line(s) are PRIMED and no bubbles are present, start the system by pressing the Reset/Mute button.

2. POWER

When powered up the Chem-Lo Alarm will go through an internal check of the circuitry, all of the LED indicator lights will illuminate for a second and goes out with the power LED staying *green* indicating the unit has power and is ready to monitor the chemical line status.

INSTRUCTION FOR USE CONTINUED...

3. MONITORING

When the Chem-Lo Alarm senses that a bubble has appeared in the chemical line, indicating a low chemical condition or a faulty connection, the alarm will flash intermittently the LED light associated with the particular chemical line that has been compromised and the alarm buzzer will sound.

4. MUTING THE SYSTEM

The Chem-Lo Alarm when in alarm condition can be **MUTED/RESET** for 5 minutes. The alarm will return to monitoring when:

- a) The chemical supply container is replaced or refilled.
- b) The chemical supply line is free of bubbles and is **PRIMED** to fill the line.
- c) Mute condition will continue for a full 5 minutes and reset only after conditions (a) and (b) are completed.

5. BUZZER ALARM ON/OFF

The Chem-Lo Alarm system is equipped for the user/operator to turn off the buzzer sound completely. The Chem-Lo light alarm will go into alarm conditions when bubbles are detected and then the muting sequence must be followed in steps 4a and 4b.

TROUBLESHOOTING

PROBLEM	SOLUTION
Green LED light is not on	1. Check wire connections.
Alarming with chemical flowing	1. Detect for bubbles in the system. 2. Tighten the compression fitting both at the Input & Output ports. 3. Power supply not fully engaged.
No alarm with no chemical flow	Check power LED. If on, internal part is malfunctioning and unit should be replaced.
Blockage of chemical in supply line	Replace tubing.
Internal part malfunctioning	Return to TCD Parts Inc.