

Part No. 1-05873

CRITICAL ALERT UNIVERSAL USER MANUAL

U.S. Design Pat. No. D817,794 & Patent Pending

SPECIFICATIONS

(4) Coin Cell Batteries - CR1632

OPERATION

1. The Critical Alert Universal from MADA is completely assembled and ready to be installed onto an oxygen regulator. See **Figure 1** below:

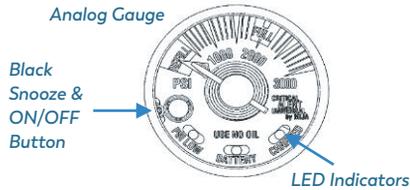


Figure 1: The Critical Alert Universal

2. The Critical Alert Universal Assembly from **Figure 1** can be installed onto an oxygen regulator just as a standard pressure gauge would be. The Critical Alert Universal will fit most regulators using an 1/8" NPT fitting.

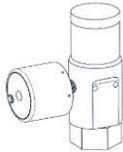


Figure 2: Critical Alert Universal Installed on Oxygen Integrated Regulator

3. The Critical Alert Universal is now ready for use. The Critical Alert Universal needs to be switched on. The switch can be found on the lens of the housing as shown in **Figure 1**. Press the black button and release.

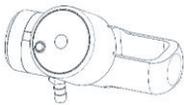


Figure 3: Critical Alert Universal Installed on a Post Valve Regulator

4. The **green** LED will flash letting the user know the Critical Alert Universal is ready and has power. The analog gauge will read the pressure in the oxygen cylinder and will be in the green area on the dial when the cylinder is fully charged.

5. The **red** LED will flash and an audible alarm will sound when the oxygen level gets to **500 psi** and lower. The black snooze button, see **Figure 1**, can be pressed (press and release) to silence the alarm while a new oxygen cylinder is sourced. See **Table 1** for the estimated minutes of available oxygen.

6. The **yellow** LED will flash when the battery power is low. The batteries should be changed at this point for optimal performance of the Critical Alert Universal. The analog gauge will continue to work should the battery be completely drained of power but there will be no visual or audible alerts from the system.

7. The Critical Alert Universal may be shut off while in normal operating conditions or while in the alarm state. Press and hold the black Snooze & On/Off button until all three LED lights appear, a single tone of the alarm will also sound, it is now safe to release the button.

CLEANING INSTRUCTIONS

BEFORE CLEANING:

- Make sure the Critical Alert Universal is powered off.
- Ensure that the cylinder valve is closed.

RECOMMENDED:

- Sanitizing Wipes/Germicidal Disinfecting Wipes
- Bleach on damp Cloth
- Alcohol Swab
- Citric Acid

DO NOT:

- Use Acetone or anything containing Acetone
- Use Ammonia or anything containing Ammonia
- Hose Down
- Submerge in water

The snooze function will silence the audible alarm for 20 minutes.

Use of the snooze function is not suggested for flow rates higher than 4 LPM.

MAINTENANCE

1. Regular maintenance required for the Critical Alert Universal is the changing of the batteries when indicated as described above in **Step 6**.
2. **REMOVING THE BATTERIES:**
 - Power the Critical Alert Universal down. (Press and hold the black power button, shown in **Figure 1**, until all LEDs glow and alarm sounds)
 - Use a pin or MADA supplied tool to depress the 4 ball detents. Pull up slightly after pressing each detent.
 - While holding the base of the gauge, pull the upper housing up away from the held point to expose the battery board. (Refer to **Figure 3**)
 - Slide the battery board out of the grooves, disconnect the cable if needed.
 - Remove the batteries.
 - When replacing the batteries, reverse the above steps and make sure that the positive side of the battery is placed under the retaining tabs of the battery holder.
 - Make sure the power button is properly aligned with the board mounted switch.

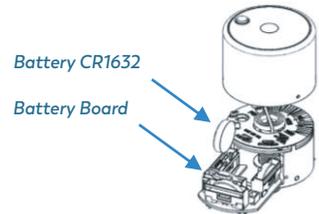


Figure 4: Critical Alert Universal Battery Change

**** If the Critical Alert Universal does not respond after following the above instructions, contact MADA at (201) 460- 0454

WARRANTY

Manufacturer warrants its product to be free from defects in materials and workmanship for one year from the date of purchase, under normal use and service.

Manufacturer's obligation is limited to repairing or replacing, as its option. In case of defect, the manufacturer should be contacted to establish a Return Material Authorization number.