Ultima® XA Gas Monitor Quick Start-Up Guide

⚠ WARNING

This Guide is not a substitute for the manual contained in the Product Literature CD. The Ultima X Series Gas Monitor Manual must be carefully read by all individuals who have or will have the responsibility for using or servicing the product. Failure to follow this warning can result in serious personal injury or loss of life.

This Gas Monitor is rated for non-hazardous applications only. Do not permit this monitor to sample combustible gas concentrations at or above the lower explosive limit (LEL).

1. Remove the lid and drill the enclosure for power, signal and optional relay cable entry (FIGURE 1). Care must be taken if non-recommended cable entry locations are required to prevent mounting interference per instructions on the enclosed Installation Outline Drawing.

2. Mount the enclosure in the desired location and run wiring to the enclosure. Ensure the sensor is pointing downward.

3. Connect 8 to 30 VDC power lead to J8-1 (FIGURE 2).

4. If the identification label located on the housing lid contains "output: 2 wire mA" or "output: 2 wire (mA + HART)", do not connect the ground wire to J8-3; otherwise, connect the signal ground wire to J8-3 (3 wire mA).

5. Connect J8-2 to the 4 - 20 mA input on remote system.

6. Connect the sensor module to J-1 on the main pc board (FIGURE 2).

7. Wire for optional acknowledge push-button (J10) and/or optional relays (FIGURE 3).

8. Connect the optional HART barrier to J9 (FIGURE 3).

9. Assemble lid on the enclosure.

10. Apply power and observe the LCD as all segments light, software version displays, and a 30-second (self-check) countdown occurs.

11. After 30-second countdown, observe that the gas type and gas concentration alternately display. (For three-wire units with LEDs, green LED is ON and red LED IS OFF).
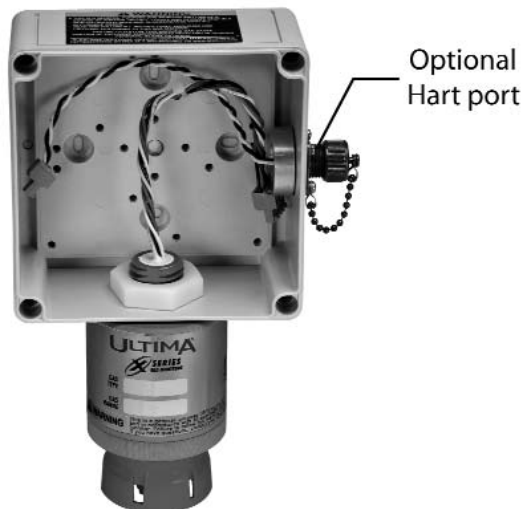
12. Perform a gas check to ensure proper operation.
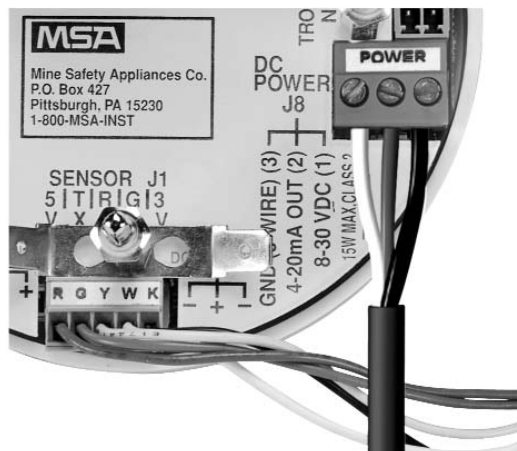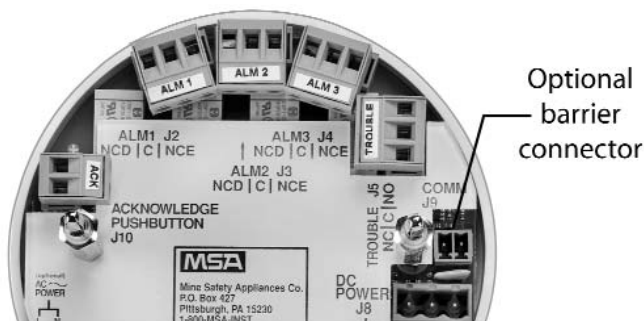

Figure 1

Figure 2

Figure 3

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(L) REV 1   10036955