

SUPPLEMENTAL INSTRUCTION SHEET
Model 8026202 ASODD Air Valve Control System with Reset Feature
(Applicable only with Special 5700 CO Monitor)

I. Purpose

This ASODD system insures that compressed air supplied for breathing purposes:

- a) Is at adequate pressure
- b) Has CO content per OSHA/CSA specification

It consists of a solenoid valve, a pressure switch and connection for a CO Monitor, packaged into a dust-proof plastic carrying case with external connections for supplied air, reserve pure air, outlet to breathing system, 115 VAC power cord and an audible alarm.

II. Description

A. The Model 8026202 ASODD is assembled into a waterproof plastic housing with carrying handle. Dimensions are 13" x 11 3/4" x 6". External connections are: Right hand end: AC Power Cord, Main Air Supply Inlet and Back-Up Air Supply Inlet. Left hand end: Alarm Jack for Remote Audible Alarm, Air Outlet and Power Socket for Model 5700 CO Monitor Control Cable.

B. When open, the following components are visible:

1. Regulated Power Supply, 115 VAC to 12 VDC output.
2. Relay bracket with three plug-in single-pole relays.
3. Reset Button
4. 3-way Solenoid actuated valve
5. Adjustable Pressure Switch, (factory set per specification)
6. Terminal Block, 7-point for internal wiring

C. External Accessories are:

1. Model 5700 CO Monitor with special 3-wire cable and plug to connect to Power Socket on left end of case.
2. Remote Audible Alarm to plug into the Alarm Jack on left end.

III. Installation

- A. Place the ASODD at a convenient central location for the air supply and point of use.
- B. Bring the main air supply (150 PSI max.) to the upper air connection on right hand end.
- C. Bring the back-up air supply to the lower air connection on right hand end.
- D. Connect the hose assembly to ASODD's Air Outlet; then connect to inlet of Breathing Air Filtration System. (See figure 3 & 4)
- E. Install the Audible Alarm at a point where it will be heard by an operator and plug its cord into the Alarm Jack at upper left.
- F. Install the Model 5700 CO Monitor and the Breathing Air Filtration System at a convenient location within 10 ft. of the ASODD. Plug the Control Cable (from CO Monitor) into the Power Socket at lower left of ASODD.

IV. Operation

- A. With ASODD housing open, plug Power Supply cord into 115 AC source. The Audible Alarm should come on and remain on through steps B, C and D. (See Figure 4)
- B. Turn on power switch of Model 5700 CO Monitor. Watch while it warms up and the reading stabilizes. The ASODD Audible Alarm will continue.
- C. Turn on Back-Up Air Supply. Air flow should commence.
- D. Turn on Main Air Supply, which must be at 65 psi or above.
- E. Press RESET button. If all connections and pressures are correct, flow should transfer from the reserve to the main air supply. Reading may rise above 00, reflecting any CO content of the air supply. Audible Alarm should silence.
- F. Move switch of Model 5700 up to TEST. This should cause the system to go into alarm and the flow to transfer to the reserve air supply.
- G. When reading returns to 0, press RESET and flow should return to the normal path with alarm off.
- H. Test air pressure monitor by disconnecting or blocking main air supply. Verify that alarm comes on. Later when air supply is restored, press RESET to return to normal operation.

I. Periodic Testing

- A. Non-Continuous Basis: When using the ASODD on a non-continuous basis, the system should be tested to assure proper operation before each use. To test system, follow “IV. Operation” instructions A-H above to assure system operates properly and main air supply has sufficient pressure available. When pressing RESET button, system should switch to normal operation (main air supply flowing through system and CO monitor operating normally and no alarms). A by-pass valve may be added between the main air and back-up air supply to simulate a back-up air supply, however precautions should be taken to assure the system can not be operated with by-pass valve open. Utilizing a by-pass valve will conserve the back-up air supply from being wasted during testing of the system.
- B. Continuous Basis: When using the ASODD on a continuous basis, the system should be tested at least monthly, per (A) above to assure system is operating properly.

NOTE: RESET button is used to return the system to normal operation after the gas reading and air pressure are back to normal. Alarm can be silenced by unplugging the external buzzer temporarily.

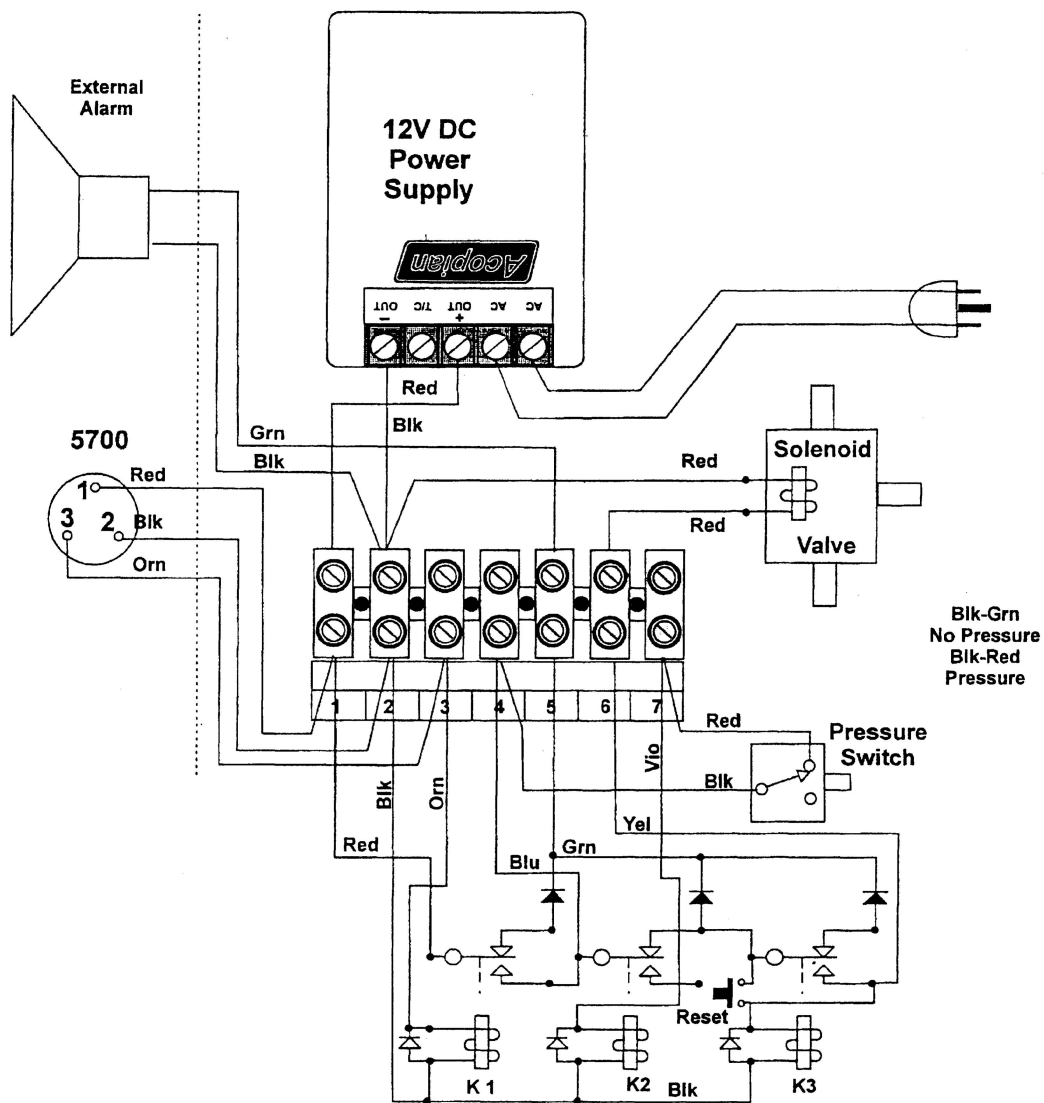


FIGURE 2

MODEL /JOB	8026202	"Save Your Breath With" MST ® MODERN SAFETY TECHNIQUES		
LTR	Rev 3			
		TITLE		
		WIRING, INTERNAL		
		SCALE	DR RC	DWG. NO.
		DATE 9-26-00	CHK	8026202
				REV

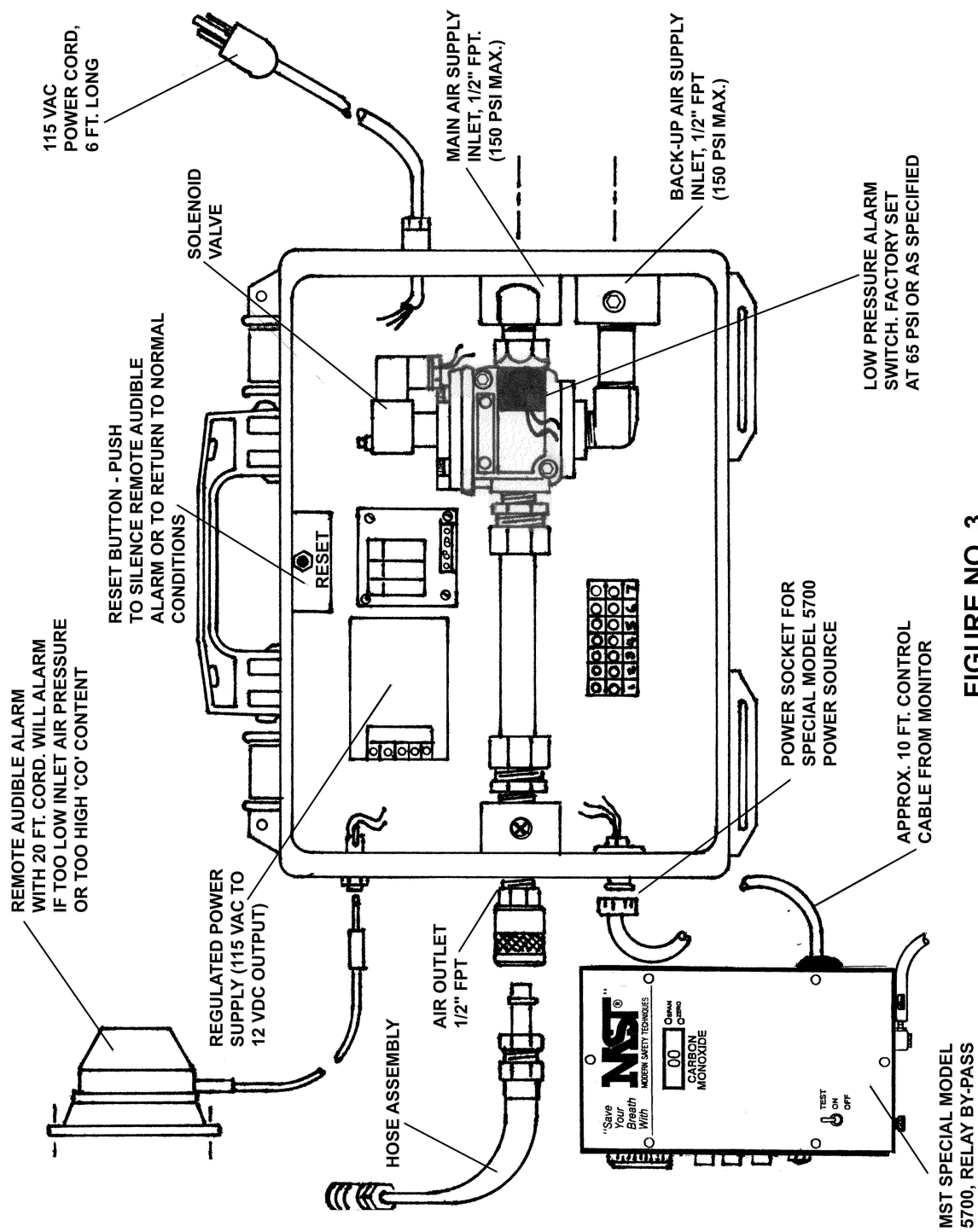


FIGURE NO. 3

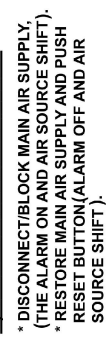


FIGURE 4