

SERVICE INSTRUCTIONS
MODEL 8057501 ADJUSTABLE
ELECTRONIC LOW PRESSURE WARNING DEVICE

The Model 8057501 Electronic Low Pressure Warning Device is designed to alert users that the incoming air pressure has decreased below a specified minimum value (to be determined according to customer's requirements).

The system consists of a miniature adjustable pressure switch connected to a battery operated external alarm. The pressure switch is field adjustable to meet the pressure required by customer's application.

The general operation of Model 8057501 Electronic Low Pressure Warning Device (LPWD) is as follows: When the line pressure falls below the LPWD's set pressure level, the pressure switch connects the internal 9 volt transistor battery to the external alarm (rated at 85 dB(A)). Until the pressure in the system exceeds the set level, the alarm will continue to operate (battery life will be greatly reduced if this condition is allowed to persist longer than a few minutes).

To properly operate the device, install a low pressure regulator ahead of LPWD and a gauge after the LPWD to allow customer to set the pressure and also to test alarm device and battery.

Prior to installing LPWD, check battery and alarm by pushing side mounted switch into "ON" position. If alarm does not work, check battery (to replace battery, see Alarm Battery Replacement and Fig. 2). Now install LPWD, (See Fig. 1), into compressed air system, (LPWD has a brass fitting with 1/4" MPT for connection). Only use brass hex fitting to tighten LPWD to compressed air system. Using LPWD's plastic housing to screw onto compressed air system may damage alarm system and voids warranty.

Now pressurize your compressed air system and flip switch of LPWD into "ON" position. If the air pressure of system falls below preset (factory set @ 40 PSIG) or user adjusted alarm pressure setting, the LPWD alarm will be energized. Once the pressure exceeds the alarm pressure setting, the LPWD alarm will turn off.

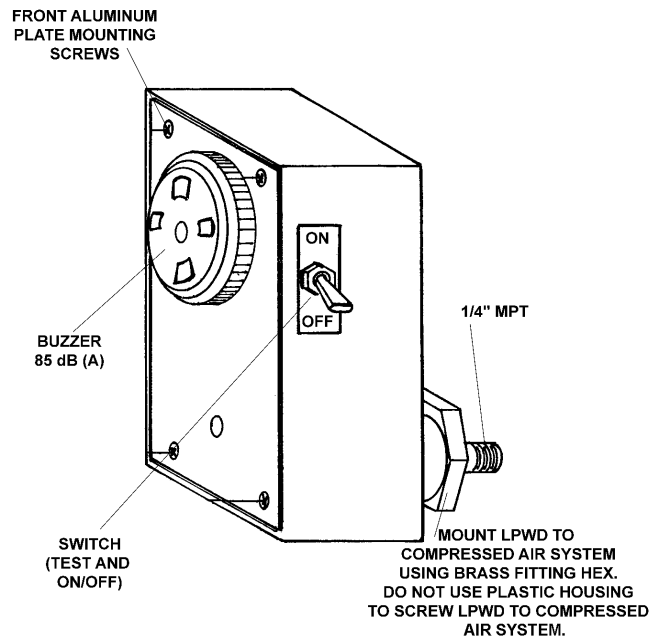


FIGURE NO 1

ALARM BATTERY REPLACEMENT (SEE FIGURE NO. 2)

To replace the battery in the Low Pressure Warning Device, remove the (4) screws (buzzer side) and carefully lift aluminum cover to expose battery that is wedged between buzzer's insulated lead connections. Carefully unplug old battery and plug new battery in. Wedge new battery between buzzer leads and carefully position battery and aluminum plate onto housing.

Make sure not to pinch or place any excess strain on the internal wiring. Re-install the (4) screws and tighten aluminum plate to plastic housing. Test the device as noted previously by flipping switch into "ON" position. Should the device fail to operate, check that a fresh battery was installed correctly and all wires are intact. Contact your local distributor or factory if you have any problems or cannot get the device to operate properly after performing the above checks.

The battery in this system should be replaced annually, unless frequent alarming has occurred. Always test warning system prior to use to assure that device is operating properly.

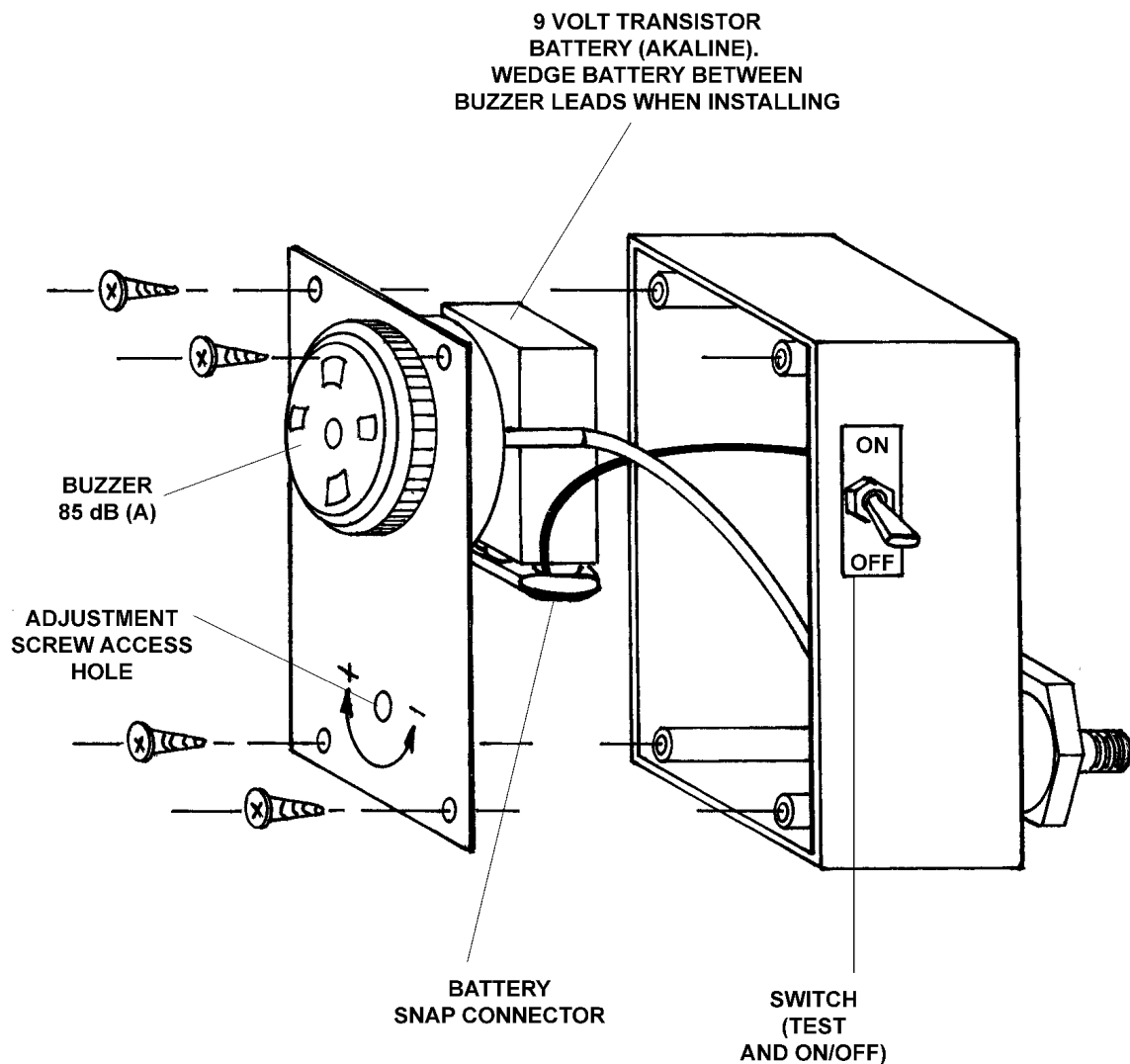


FIGURE NO 2

ADJUSTABLE PRESSURE SWITCH ALARM SETTING INSTRUCTIONS (SEE FIGURE NO. 3)

- A) Install a low pressure regulator ahead of LPWD and a pressure gauge following the LPWD for pressure setting reference.
- B) The LPWD alarm setting is factory set at 40 PSIG. If customer requires a different pressure alarm setting, first turn off the LPWD, (using side mounted switch).
- C) Re-adjust the low pressure regulator to the new pressure setting and turn the LPWD back on.
- D) Insert an 1/8" allen wrench through the LPWD's adjustment access hole located in the front aluminum cover plate. Find the LPWD's pressure switch's 1/8" allen adjustment screw and rotate per customer requirements, (clockwise rotation will increase the pressure alarm level, etc).
- E) Verify the LPWD is operating properly by increasing and decreasing the systems pressure. Re-adjust LPWD if necessary.

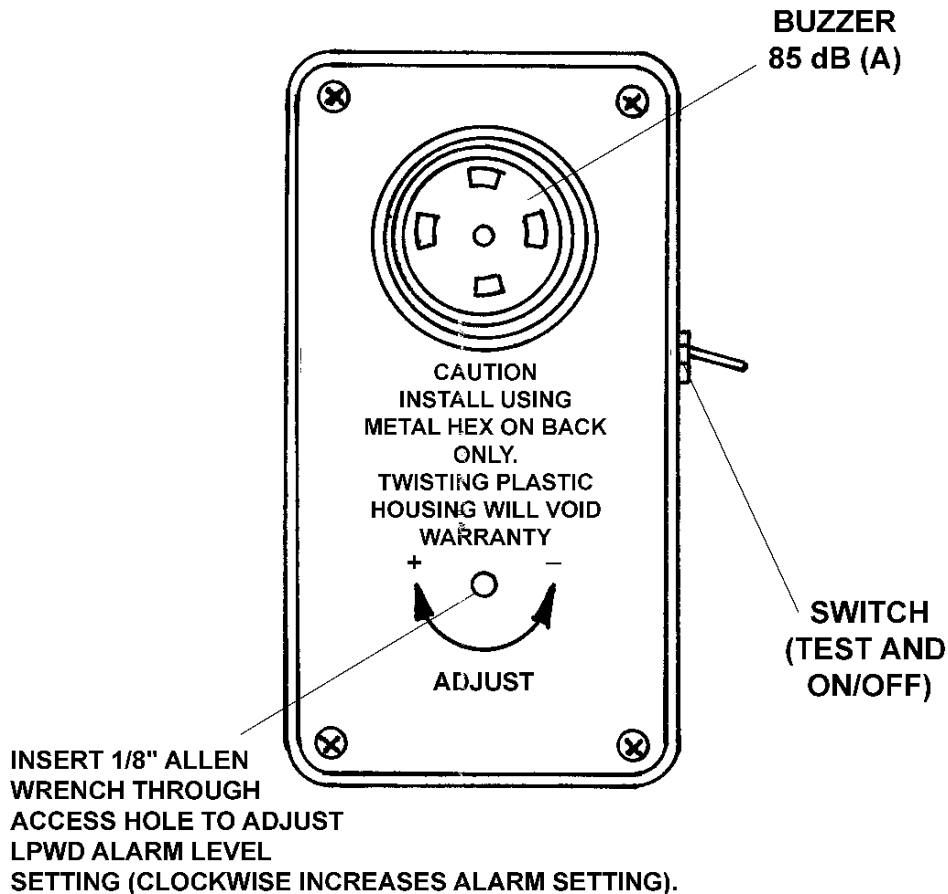


FIGURE NO 3

GENERAL SPECIFICATIONS

ADJUSTABLE PRESSURE RANGE	_____	25 TO 110 PSIG
MAXIMUM OVER PRESSURE	_____	300 PSIG
POWER REQUIRED	_____	INTERNAL 9 VOLT DC TRANSISTOR BATTERY (EVEREADY NO. 522 OR EQUIVALENT)
AUDIBLE ALARM SOUND PRESSURE VS. VOLTAGE	_____	85 dB @ + 9 VDC
FACTORY PRESSURE SETTING	_____	40 PSIG

THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS, OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT TO THE USE OF OR THE INABILITY TO USE THIS PRODUCT, BEYOND THE REPLACEMENT OF DEFECTIVE MATERIALS OR WORKMANSHIP. USERS OF SUPPLIED AIR RESPIRATORS SHOULD EVALUATE THEIR OWN PARTICULAR APPLICATION AND PERFORM THEIR OWN TEST FOR AIR QUALITY AND/OR QUANTITY TO DETERMINE THE SUITABILITY FOR USE OF THIS PRODUCT.

For further information or questions about service or maintenance care of this device, contact your local distributor, or manufacturer.

NOTE: THE MANUFACTURER RESERVES THE RIGHT TO CHANGE OR MODIFY SPECIFICATIONS AND/OR PRODUCTS.

**" Save
Your
Breath
With **NST**[®]
MODERN SAFETY TECHNIQUES "**

11370 Breininger Rd. Phone: (800) 542-6646
P.O. Box 87 (888) mod-safe
Hicksville, OH 43526 (419) 542-6645
Email: modsafe@bright.net Fax: (419) 542-6475
www.modsafe.com