






OPERATION

The Over Inflator Unit can be customized for several different applications. To change or modify these settings follow the instructions.

1. Turn the power ON.
2. Press and hold the  decrease button on the top LCD, when all segments are displayed for 3 seconds.
3. The unit will beep and flash (P.01) in the top LCD and a number in the bottom LCD.
4. Use the Top  &  buttons to change the desired setting.
5. Press the  button to toggle between the functions (P.01) to (P.07).
6. Press the  Flat Tire button to Exit and save the settings.

Keypad Selectable Settings

7. (P.01) – Number of Decimal Places

- (01) – One Decimal Place
- (02) – Two Decimal Places

Selects the number of decimal places displayed for Bar, atm, kg/cm²

8. (P.02) – Default to Safe Pressure Setting


- (00) – Off
- (01) – On

Enables this feature to be turned on or off. Note: This feature is not activated for the Overinflator products.

9. (P.03) – Auto/Manual Start


- (00) – Off
- (01) – On

- (02) – On/Confirmation Pressure (If the pressure in the tire is equal to or greater than the pressure set for confirmation then Manual Start is required. The default confirmation pressure is 50psi.

Automatic inflation operates when back pressure is detected from a tire. Manual start requires that the operator press the  Flat Tire button before the unit will inflate or deflate.

10. (P.04) – Purge Cycle

- (00) – Off
- (01)-(06) – 1 to 6 cycle

This feature allows up to six purge cycles. If set to (01) the unit will initiate 1 x purge cycle. The unit will inflate or overinflate to the pressure on the top LCD then deflate to <3psi then reinflate to the final pressure. If more than one purge cycle is set, the process is repeated. To activate this feature press and hold the  Flat Tire button for 2 seconds. Note: When the purge cycle is on, Auto Inflation is off for dual display tire inflation unit.

11. (P.05) – Pressure Hold Time Range

- (00) – Off
- (01) – Seconds
- (02) – Minutes

This feature allows the overinflator to hold over the overinflation pressure for a preset time, seconds or minutes, to check for air leaks within the tire.

12. (P.06) – Pressure Hold Time

- (0-1999)

The time the unit will hold the overinflation pressure in seconds or minutes.

13. (P.07) – Leak Detection

- (00) – On
- (01) – Off


This feature checks for leaks when holding the overinflation pressure. Note: this feature will not work if (P.05) is set to (00).

INFLATING & DEFLATING

1. Set the desired pressure.
2. Connect the hose to the tire, ensure the hose is connected securely. Air leaks will cause an error message to be displayed. If Confirmation button is programmed, press the Flat Tire Only button to start the inflation process.
3. If the pressure in the tire is less than 3 psi, 20 kPa or 0.2 bar the process will not commence until the Flat Tire Only button is pressed.
4. The unit will inflate or deflate the tire to the set pressure in the top LCD. Periodically the process will check the tire pressure and this pressure will be updated in the top LCD. Once the overinflation pressure has been reached, the unit will beep and flash 3 times.
5. The scroll bar will indicate that the unit is inflating or deflating.
6. Once the overinflation pressure has been reached, the unit will automatically deflate the tire to set value in the bottom LCD. Periodically the process will check the tire pressure and this pressure will be updated in the bottom LCD. Once the final pressure has been reached, the unit will beep and flash End 5 times. This will continue until the hose is disconnected; during this time the keypad will be disabled.



TROUBLESHOOTING

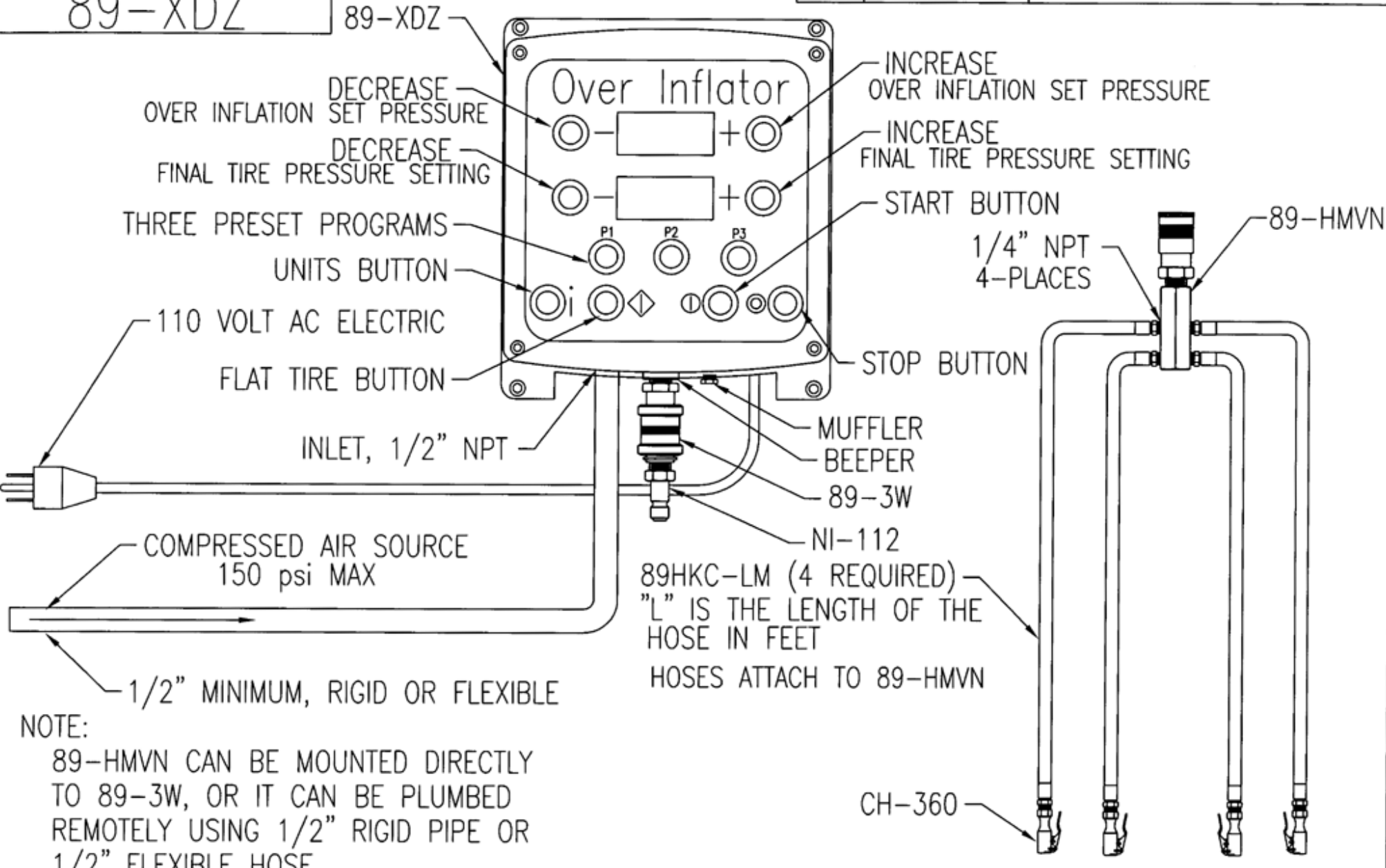
PROBLEM	POSSIBLE CAUSE	SOLUTION
No display.	No power supply.	Check power supply.
The inflation process does not commence, even when the pressure is set and the hose is connected to the tire.	The hose connector is faulty. The tire is deflated below 3 psi, 20 kPa or 0.2 bar.	Replace the hose connector. Press 
The display will not move or is stuck on a particular value.	The faceplate is damaged	Replace the faceplate.
The unit deflates very slowly.	The muffler on the valve block is blocked.	Remove and clean the muffler.
The unit no longer beeps.	The beeper is damaged.	Replace the beeper.
The inflation process commences but does not complete.	Low or nil supply pressure.	Check the air compressor supply pressure.
-L- is displayed.	Overinflation hold leak	Check hose connector and that the tire is seated correctly then repeat inflation process.
ER1	Unstable pressure, faulty hose connector	Replace the hose connector.
ER2	Unstable pressure, faulty hose connector. Incorrect supply pressure. Inflate & Deflate valve connections are reversed.	Replace the hose connector. Check the air compressor supply pressure. Check the valve connections on the PCB.
ER3	Low or nil supply pressure.	Check the air compressor supply pressure.
ER4	Initial or final pressure is too high, exceeding the maximum pressure by more than 20 psi, 140 kPa or 1.4 bar.	Disconnect hose connector, reset processor by switching off the power for a minimum of 5 seconds. If error message reappears replace PCB.
ER5	Low supply voltage.	Check power supply. The message will clear when the correct voltage is restored.
ER6	Program or PCB error.	Reset machine by switching off the power for a minimum of 5 seconds. If error message reappears replace PCB.
ER7	High Pressure error. (Truck Tire Connected) Hose chuck is connected to a tire that is 20 psi above the Max set pressure.	Disconnect hose connector from tire. Check maximum pressure of unit.
ER8	Calibration error.	Unit requires calibration, contact your local distributor service agent.
ER9	Calibration error.	Reset machine by switching off the power for a minimum of 5 seconds. If error message reappears replace PCB.

VOLUME ADJUSTMENT

- Turn the unit off.
- Press and hold the decrease and Flat Tire Only buttons.
- Turn the unit on, VOL will be displayed.
- Adjust the volume using the increase and decrease buttons.
- To store the setting, press the Flat Tire Only button. Further changes can be made by repeating the above procedure.

PART NO. **89-XDZ**

QUAN	PART NUMBER	DESCRIPTION
------	-------------	-------------



89-XDZ
 DECREASE OVER INFLATION SET PRESSURE
 DECREASE FINAL TIRE PRESSURE SETTING
 THREE PRESET PROGRAMS
 UNITS BUTTON
 110 VOLT AC ELECTRIC
 FLAT TIRE BUTTON

INCREASE OVER INFLATION SET PRESSURE
 INCREASE FINAL TIRE PRESSURE SETTING
 START BUTTON
 1/4" NPT 4-PLACES
 STOP BUTTON

COMPRESSED AIR SOURCE
 150 psi MAX
 1/2" MINIMUM, RIGID OR FLEXIBLE

MUFFLER
 BEEPER
 89-3W
 NI-112
 89HKC-LM (4 REQUIRED)
 "L" IS THE LENGTH OF THE HOSE IN FEET
 HOSES ATTACH TO 89-HMVN

NOTE:
 89-HMVN CAN BE MOUNTED DIRECTLY TO 89-3W, OR IT CAN BE PLUMBED REMOTELY USING 1/2" RIGID PIPE OR 1/2" FLEXIBLE HOSE

WARNING:
 ALWAYS FOLLOW THE TIRE MANUFACTURER'S RECOMMENDED INFLATION PRESSURES

		SCALE	HIGH VOLUME OVER INFLATOR
DRAWN	C'KED	APPROVED	
9/4/2003			PART NO. 89-XDZ
HALTEC			