

USER MANUAL

AUTOMATIC TIRE INFLATOR

MW-60, MW-60-4WAY & MW-64HP



TIRE EQUIPMENT
MANUFACTURER

MARTINS
INDUSTRIES

1.866.409.RACK

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PARTS

Verify that the following components are complete in the package.

INFLATOR BODY WITH 5 FEET (1.52M) POWER CORD

MW-60
150 PSI X 1 outlet



MW-64Hp
195 PSI X 1 outlet

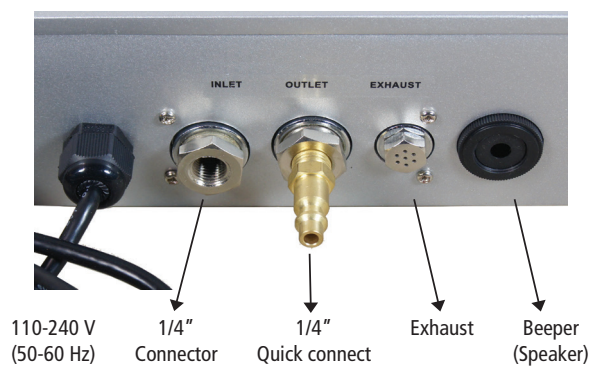


MW-60-4way
150 PSI X 4 outlets



POWER SUPPLY, INLET, OUTLET, EXHAUST & BEEPER

MW-60 & MW-64Hp



MW-60-4way



AIR HOSE WITH
1/4" CHUCK



MW-60 & MW-64Hp
25 feet (7.6 M) Air Hose



MW-60-4way
4 hoses of 8 feet (2.4M)



PARTS

Verify that the following components are complete in the package.

INSTALLATION SCREWS

M6*38 Screw - 4 pcs



HOOK AND SCREW KIT

Hose hook and M6*38 Screw







INSTALLATION

1. Unpack the unit
2. Hold the unit up on the wall and mark where the four (4) holes are to be drilled.
3. Secure the unit using suitable fastener
4. Connect the air supply to the unit.
5. Connect the power supply; refer to the rating label for the correct power requirements.

WARNING

Ensure that the product is connected to the correct power and air supply; refer to rating label and general specifications.

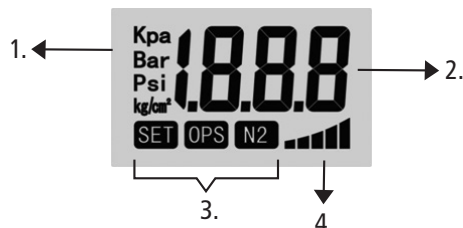
SWITCH FUNCTIONS

-  Navigation menu function, decrease pressure in operating mode
-  Navigation menu function, increase pressure in operating mode
-  Select function: Select measurement unit/select OPS setting nitrogen cycle purge (on MW-64Hp model only)
-  Select function: Confirm / Start Inflation / Stop.
Press this button to turn on the inflation process when the tire pressure is less than 3 psi, 20 kPa or 0.2 bars



LCD CRYSTAL DISPLAY

1. Unit display
2. Pressure
3. "Select" function
4. Inflation cycle indicator bars



FUNCTION AND OPERATION

NAVIGATING THE MENUS

Press (i) to access the select functions mode, then select the unit of measurement; press (i) 2 times to enter the OPS setting, press (i) 3 times to enter the purge nitrogen cycle functions (on MW-64Hp model); press (i) 4 times to exit the select functions mode without saving your previous selections.

UNITS OF MEASUREMENT

The automatic inflator offers you a choice of 4 tire pressure measurement units: Kpa, Bar, Kg/cm² and Psi. The selected unit becomes the default measurement unit; it will not be necessary to change the unit for future use. To choose the desired unit of measure:

- A. Press (i); (SET) will be displayed on screen, and the current measurement unit will flash.
- B. Press (+) or (-) to select the desired measurement unit.
- C. Press (confirm) to confirm your selection.

OVER-PRESSURE SETTING (OPS)

- A. Press (i) twice; (SET) and (OPS) will be displayed on screen, and the OPS indicator will flash.
- B. Press (+) or (-) to select the OPS value.
- C. Press (confirm) to confirm your settings. If the OPS value is not equal to zero, the OPS indicator will be visible on the LCD screen.

Important: The sum of the selected inflation pressure and OPS pressure must always be less than the maximum pressure allowed by the tire manufacturer.

FUNCTION AND OPERATION

INFLATION AND DEFLATION

- A. Press (+) or (-) to select the target pressure.
- B. Connect the air hose to the tire valve, the tire inflator will automatically start.
- C. When inflation has been completed, the tire inflator will automatically stop and will emit a beep to alert the user.
- D. The tire is now inflated; you can open the door and disconnect the air hose.

The tire inflator will not start automatically if the pressure is lower than 3 psi or 0.2 bars.

You must press (ⓘ) for 2 seconds to manually start the inflation process.

During the inflation phase, the device automatically checks the tire pressure, and the inflation cycle indicator bars will become active. The indicator bars will move from left to right during inflation, and from right to left during deflation

NITROGEN PURGE CYCLE (on MW-64Hp model only)

- A. Press (i) 3 times (SET) and (N2) will be displayed on screen.
- B. Press (+) or (-) to set the number of Nitrogen Purge Cycles.
- C. Press (ⓘ) to confirm your settings. If the Nitrogen Purge Cycle value is not equal to zero, the N2 indicator will be visible on the LCD screen.
- D. The Nitrogen Purge can be set up to 9 cycles.

REMARK:

OPS SETTING

When OPS function is on, device will inflate to target pressure plus OPS value first, then deflate to tire pressure desired, for example: A final target of 32 psi or 2.2 bar with an OPS setting of 16 psi or 1.1 bar gives a sum of 48 psi or 3.3 bar. This sum of 48 psi or 3.3 bar is the Over Pressure setting for tire. Tire will inflate to the sum value and deflate to the final target pressure.

NITROGEN PURGE CYCLE (on MW-64Hp model only)

When N2 purge function is on, the device will inflate to the final target pressure first, and then deflate to the N2P deflate-lower-limit-setting, the device will inflate again to the final target pressure. If 1 N2P cycle was set, then the cycle is now completed. If more than 1 N2P cycle was set, the purge routine (deflate/inflate) is repeated according to the number of purge cycles set. The deflate lower limit default setting is 0.3bar or 5psi.

WARNING

- 1. Please check carefully to ensure that no part is damaged, so to ensure safety and formal operation.
- 2. During inactivity period, please package the inflator and keep it away from damp, heat, impact, etc.
- 3. The device can be installed outside, but a shelter is suggested, so to protect the equipment from bad weather, extend the service life.
- 4. Since directly compressed air contains oil and water, water is from condensation and oil is from the compressor, water and oil will strongly destroy the device, so it is important to filter them out first from the system.
- 5. Keep the compressed air inlet pressure within 10.5 bar (1050 kpa / 150 psi / 10.5 kg/cm²).
- 6. Electrical connection should be carried out by qualified people strictly according to the related regulation applicable at the place where the inflator is used.
- 7. Protection switch is not supplied with the device; please install the protection switch on your own if necessary.

FUNCTION AND OPERATION

MAINTENANCE

1. Daily Maintenance

The device does not require particular maintenance; routine check of the pneumatic connection is suggested.


Daily maintenance should be carried out by qualified personal.

2. Special Maintenance

All the maintenance not included in Daily maintenance is special maintenance, which should be done by qualified personal.

Authorized agent could be contacted for it.

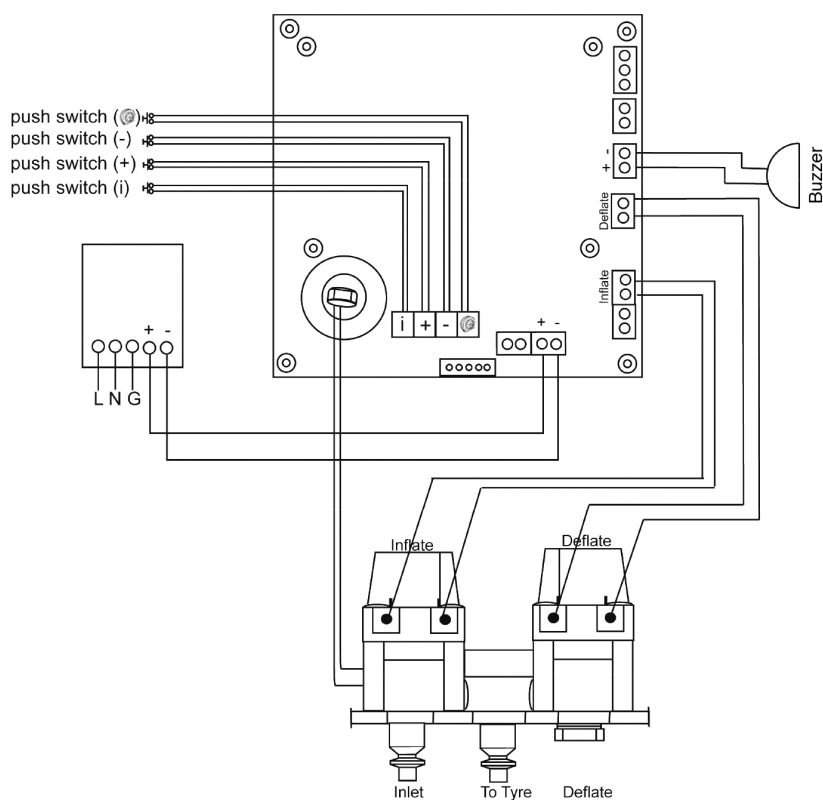
TROUBLESHOOTING

PROBLEMS	POSSIBLE CAUSES	SOLUTIONS
Air Leaks	Leak in the connections	Check the pneumatic connections
The inflator works but does not inflate	Obstruction in filters or in the air system	Clean the filters and check the air hose
No display	Problem with the power supply	Check the power source and electrical connection
Inflation does not start, but the pressure has been selected and the air hose is connected to the tire valve	The air hose is improperly connected The door valves are not connected or are poorly adjusted The tire pressure is below 0.2 bars (3psi)	Check the air hose connection and ensure there are no leaks Check the valve connections and/or adjust the door valves Press  for 2 seconds
The inflator deflates very slowly	The silencer outlet is blocked	Remove and clean the silencer outlet and reinstall it
Er1	The pressure sensor is broken	The inflator must be replaced
Er2	The pressure is unstable, the connector hose is defective	Replace the connector hose or reconnect the hose to the tire
Er3	Tire connected, the tire pressure is too high (150 Psi)	Stop inflating the tire immediately and disconnect it from the system
Er4	Wrong connections of air inlet and outlet	Refer to wiring diagram and connect the magnetic valve accordingly
Er5	Low voltage	Check the electrical power source
Er6	Calibration error	The automatic inflator needs to be calibrated, contact Martins Industries
Er7	Calibration error	The automatic inflator needs to be calibrated, contact Martins Industries
Er8	The air source is lower than the set pressure	Stop inflating the tire

GENERAL SPECIFICATION

Inflation Range:	0.5-10 bar (1000 kpa / 145 psi / 10 kg/cm2)
Accuracy:	+/-0.29 psi (+/-0.02 bar)
Max Inlet Air Supply:	150 psi (10.3 bar)
Supply voltage:	AC 110~240V (50~60Hz)
Watt:	12 W Max.
Working Temperature:	-10°C~50°C (14°F~122°F)
Relative Humidity:	up to 95% RH non-condensing
Material:	Die cast Aluminum Enclosure
Degree of Protection:	IP66
Dimensions:	9" X 10.5" X 3.5" (23 X 27 X 8.5 cm)

WIRING DIAGRAM



WARRANTY

The inflator includes a 1-year warranty from the billing date, but is null and void if the inflator has been damaged through misuse, faulty installation, improper maintenance or accidental damage, or unauthorized modifications or repairs.

VERIFICATION OF LVD COMPLIANCE



Applicant : MARTINS INDUSTRIES

Address of Applicant : 1200, INDUSTRIAL BOULEVARD FARNHAM, QUEBEC, CANADA J2N 3B5

Product Description : AUTOMATIC TIRE INFLATOR PANEL TYPE

Type and Model : W507602B, W507602P, S507602B, S507602P, W517602B, W517602P,
S517602B, S517602P

**Technical Construction File
Referenced No./Rev** : STT/08T1225-LVD

Codes/Standards Applied : EN 60335-1:2002

Date Of Issuance : August 6, 2008

Remarks : This Certificate Is Only Valid For The Equipment And Configuration
Described, And In Conjunction With The Test Data Detailed Above.

Conclusion of Assessment :

We Hereby Confirm That The Technical Construction File And Manufacturing, Inspection And Testing
Processes For Above-Mentioned Equipment Comply With The Essential Safety Requirements Of EU Low
Voltage Directive 2006/95/EC Applied Codes And Standards.

Chief Assessor:

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