

# USER MANUAL

- \* Operating Instruction
- \* General Specification
- \* Installation and Maintenance

Thank you for selection our Automatic Tire Inflator, please read this manual before carrying out any installation or service procedure.

This manual is an integral and essential part of the product, please keep it away from damp, heat, dust, oils, do not remove, tear or amend any parts of the manual for any reason. It must be made available to the operator and to maintenance personnel, also to ensure staff training.

If case of loose or damage, ask the manufacturer for a copy, quoting the manual code. The manual must always remain with the machine, in the event of the machine being sold, it must be given to the new user.

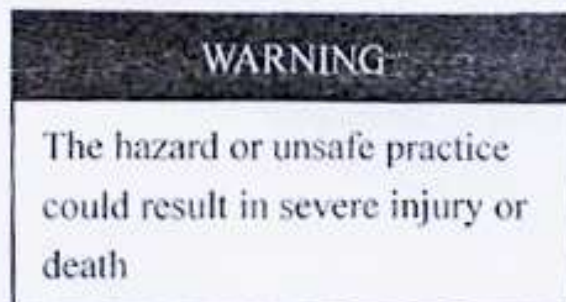
**The manufacturer reserves the right to change product features at any time.**

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## 1.0 Introduction

Through the manual the following symbols will be used, this information is for your safety and to prevent damage to this product.



## 2.0 Control Panel



**(W64)**

### Switch Function:



Reduce final target pressure



Increase final target pressure



Function Select: Unit Change/ N<sub>2</sub>P set



Function Select Confirm/Start to inflate/Stop. Used this button to start the inflation process when the pressure in the Tire is less than: 3 Psi, 20 Kpa or 0.2 Bar.

LCD display



- ① Unit display
- ② Pressure display
- ③ Function select display
- ④ Rolling Bar

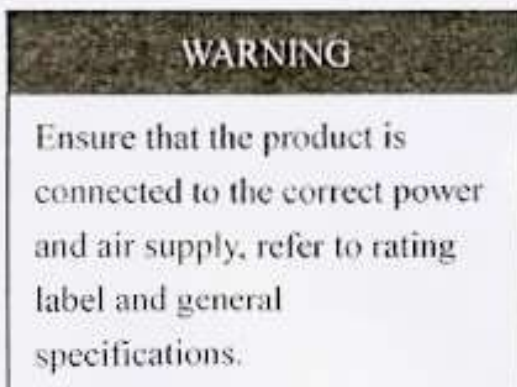
## 3.0 W64



### 3.0.1 Specifications

Material:	Die cast Aluminum Enclosure
Degree of Protection:	IP66
Dimensions:	23*27*8.5cm (9"*10.5"*3.5")
Shipping Weight:	5.5kgs (12lbs)

### 3.0.2 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.

For more installation instructions please refer to 6.0 section.

### 3.0.3 Function and Operation


The device is including the Nitrogen Purge Cycle function.

#### Operation


##### 1. Unit select

Device has four units can be chosen by the user which is kpa-psi-bar-kg/cm<sup>2</sup>

Unit set here will become default unit for following usage, do not need to set unit each time.

- ① Press **【i】** , **【SET】** will be shown on the LCD screen, and the unit will be flashing.
- ② Press **【+】** or **【-】** to choose the unit.
- ③ Press **【】** to confirm.

##### 2. Nitrogen Purge Cycle

- ① Press **【i】** thrice **【SET】** and **【N2】** will be shown on the LCD screen.
- ② Press **【+】** or **【-】** to set the number of Nitrogen Purge Cycles
- ③ Press **【】** to confirm. If Nitrogen Purge Cycle value is not zero, **【N2】** will be displayed at the LCD screen.
- ④ The Nitrogen Purge Cycle up to 9 times.

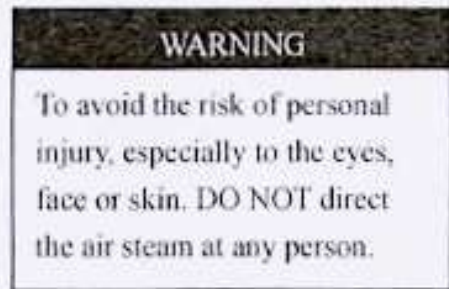
##### 3. Inflation and Deflation

- ① Press **【+】** or **【-】** to select desired pressure.
- ② Connect with Tire, ensure no air leaks, inflator will work automatically.
- ③ When inflation is finished, machine will stop automatically and BEEP to remind users.
- ④ Disconnect the air hose from Tire, finish inflation.



Remark:

1. Press **【i】** to enter the function setting mode, after select the unit, press **【i】** thrice to enter the Nitrogen Purge Cycle setting directly , press **【i】** four times the device will quit out of the setting mode without save any selection.



2. When N2 purge function is on, the device will inflate to the final target pressure first, 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.


3. If Tire pressure is lower than 3 psi or 0.2 bar, device will not start automatically. Then press **【🔄】** for 2 second to start manually.
4. During inflation, device will check Tire pressure automatically, rolling bar will be on, left to right means inflating, right to left means deflating.

### 3.0.4 Components List

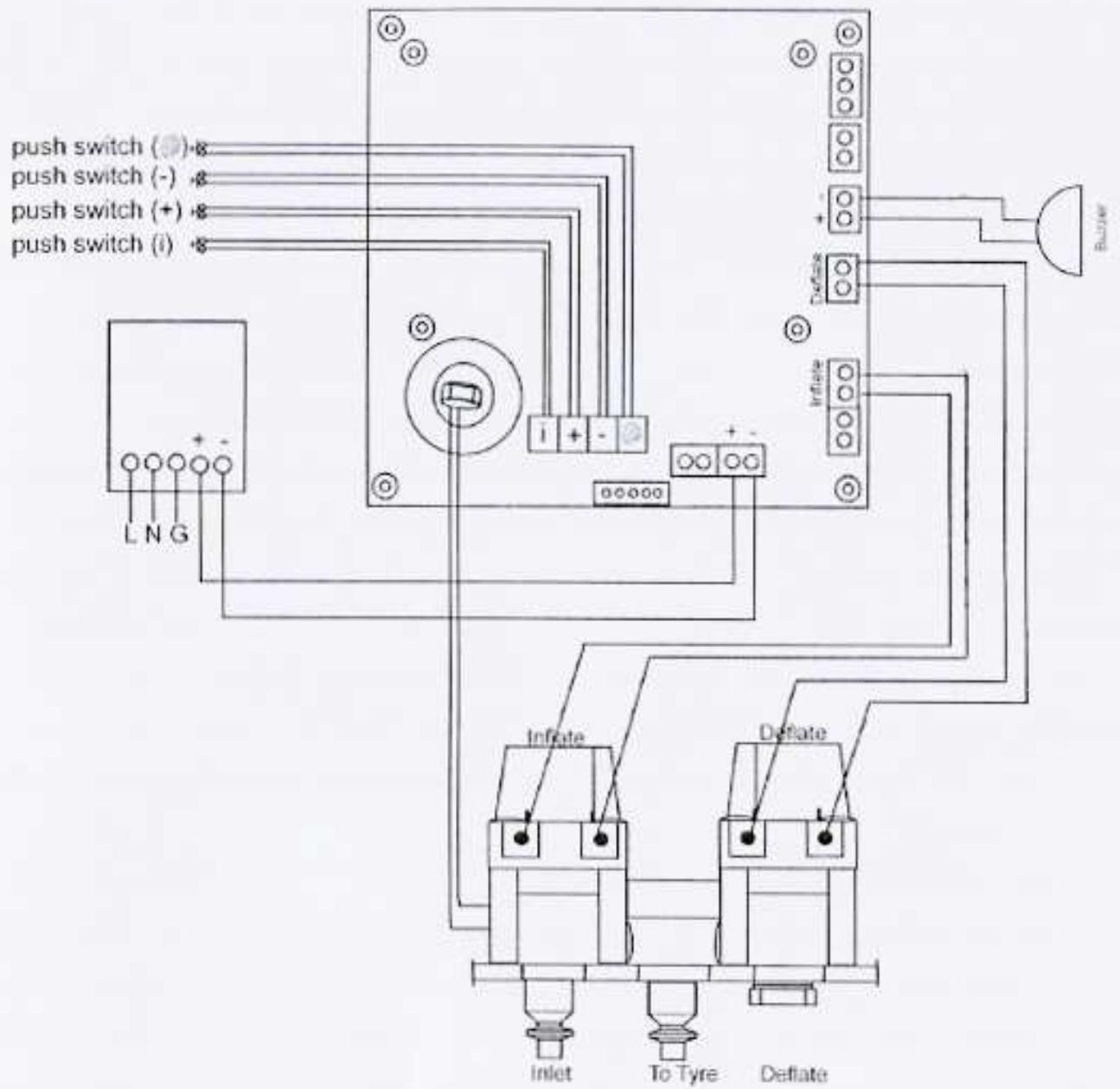
Please check and make sure that the following components are complete in the package.

1. Inflator Body with power cord
2. 7.6M (25' ) Air Hose
3. Hook and M6\*38 screw kit (1pc)
4. User manual
5. M6\*38 screw 4pcs for wall mounting

## 4.0 Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Air leak	Leak in the connection	Check the pneumatic Connection
The inflator works, But no air inflated	Obstruction in filters or in air system	Clean the filters and check the air tube
No display	Check power supply	Reconnect
Inflation does not start, although the pressure is set and the hose is connected with Tire	Air hose improperly connected	Check the hose connection, make sure that no air leaks
	Tire pressure is below 0.2bar (3psi)	Press 
The unit deflates very slowly	The silencer plug on is blocked	Remove and clean the silencer plug
Er1	Pressure sensor broken	Power off, change pressure sensor
Er2	Unstable pressure, faulty hose connector	Replace hose connector or re-connect hose to the Tire
Er3	Connected Tire pressure is too high pressure > 16 bar (232 psi)	Stop inflating this Tire
Er4	Wrong connections at air inlet and outlet	Refer to wiring diagram and connect magnetic valve accordingly
Er5	Low Voltage	Check the power supply
Er6	Calibration Error	Unit requires calibration
Er7	Calibration Error	Unit requires calibration
Er8	Air supply lower than set inflate pressure	Stop inflating this Tire

## 5.0 Wiring Diagram



**W64**

## 6.0 Installation & Maintenance

### 6.0.1 Notes in advance

Any Mechanical Devices used to lift or transport the inflator must be operated by professional people.

During inactivity period, please package the inflator and keep it away from damp, heat, impact, etc.

After unpacking the inflator, the packing materials should be disposed of according to the laws and regulations applicable at the place being used.

Please check carefully to ensure that no part is damaged, so to ensure safety and formal operation.

W64 can be installed outside, but a shelter is suggested, so to protect the equipment from bad weather, extend the service life.

**Warning: Installation of the inflator should be done by qualified people.**

### 6.0.2 Installation

1. Hold the unit up on the wall and mark where the four (4) holes are to be drilled.
2. Secure the unit using suitable fastener.
3. Connect the air supply to the unit.
4. Connect the rubber hose as air out let
5. Connect the power supply

Remark:

1. 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.**

#### WARNING

To avoid equipment damage, never exceed the manufactures maximum inlet pressure of  
16bar, 1600kpa, 232psi,  
16kg/cm<sup>2</sup>

2. Keep the compressed air inlet pressure within 16bar (1600kpa/232psi/16kg/cm<sup>2</sup>).
3. Electrical connection should be carried out by qualified people strictly according to the related regulation applicable at the place where the inflator is used.
4. Protection switch is not supplied with the device; please install the protection switch on your own if necessary.

### 6.0.3 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.

### 6.0.4 Warranty

This model wall-mounted Tire inflator is warranted for 1 year from the date of invoice, except for that the products has been damaged by misuse, faulty installation, incorrect maintenance or accidental damage, unauthorized modification or repair, force majeure. Warranty does not cover air hoses, hose connectors (hose chucks).

Note: All faulty PCBs that are within the warranty period are to be returned to factory for assessment and repairs. PCBs with are found to be burnt due to water damage will not be covered under any warranty.

## 7.0 General Specification

Inflation Range: 0.5-13bar (1300kpa/188.5psi/13kg/cm<sup>2</sup>)

Accuracy: +/-0.02bar (+/-0.3psi)

Max Inlet Air Supply: 16bar (232psi)

Supply voltage: AC 110~240V (50~60Hz)

Watt: 12W Max.

Working Temperature: -10°C~50°C (14°F~122°F)

Relative Humidity: up to 95% RH non-condensing