

USER MANUAL

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

Thank you for selection our Automatic Tyre 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.

Table of Contents

1.0	Introduction-----	4
2.0	Control Panel-----	5
3.0	W60 (Air) -----	7
3.0.1	Specification	
3.0.2	Installation	
3.0.3	Function and Operation	
3.0.4	Components List	
4.0	Troubleshooting-----	10
5.0	Wiring Diagram-----	11
6.0	Installation & Maintenance-----	12
6.0.1	Notes in advance	
6.0.2	Installation	
6.0.3	Maintenance	
6.0.4	Warranty	
7.0	General Specification-----	14

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.

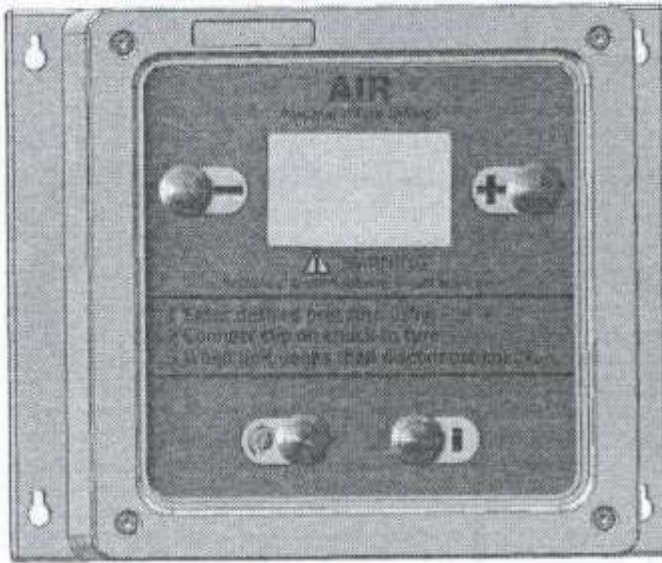
CAUTION

The hazard or unsafe practice could result in minor injury

WARNING

The hazard or unsafe practice could result in severe injury or death

2.0 Control Panel



(W60)

Switch Function:



Reduce final target pressure



Increase final target pressure



Function Select: Unit Change/OPS set



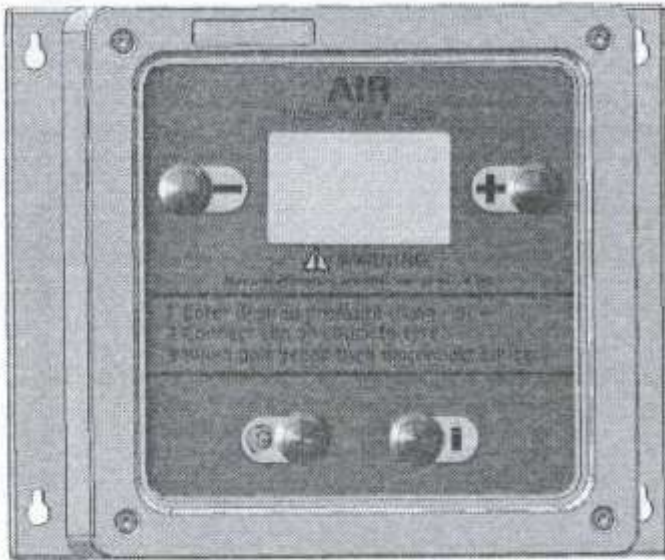
Function Select Confirm/Start to inflate/Stop. Used this button to start the inflation process when the pressure in the tyre is less than: 3 Psi, 20 Kpa or 0.2 Bar.

LCD display



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

3.0 W60



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

WARNING

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

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 OPS (over pressure setting) function.

Operation


1. Unit select

Device has four units can be chosen by the user which is kpa-psi-bar-kg/cm²

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. Set OPS

- ① Press **【i】** twice, **【SET】** and **【OPS】** will be shown on the LCD screen, **【OPS】** will be flashing.
- ② Press **【+】** or **【-】** to choose the OPS value.
- ③ Press **【】** to confirm. If OPS value is not zero, **【OPS】** will be displayed at the LCD screen.

3. Inflation and Deflation

- ① Press **【+】** or **【-】** to select target pressure.
- ② Connect with tyre, 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 tyre, finish inflation.

Remark:

1. Press **【i】** to enter the function setting mode. After select the unit, press **【i】** again to enter the **【OPS】** setting directly, press **【i】** thrice the device will quit out of the setting mode without save any selection .
2. When OPS function is on, device will inflate to target pressure plus OPS value first, then deflate to tyre 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 tyre. Tyre will inflate to the sum value and deflate to the final target pressure.
3. If tyre 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 tyre pressure automatically, rolling bar will be on, and left to right means inflating, right to left means deflating.

WARNING

To avoid the risk of personal injury, especially to the eyes, face or skin. DO NOT direct the air steam at any person.

WARNING

This equipment is not intended for use by children without adult supervision.

WARNING


When using the OPS function, the sum pressure must not exceed the tire manufacture's maximum inflation pressure.

3.0.4 Components List

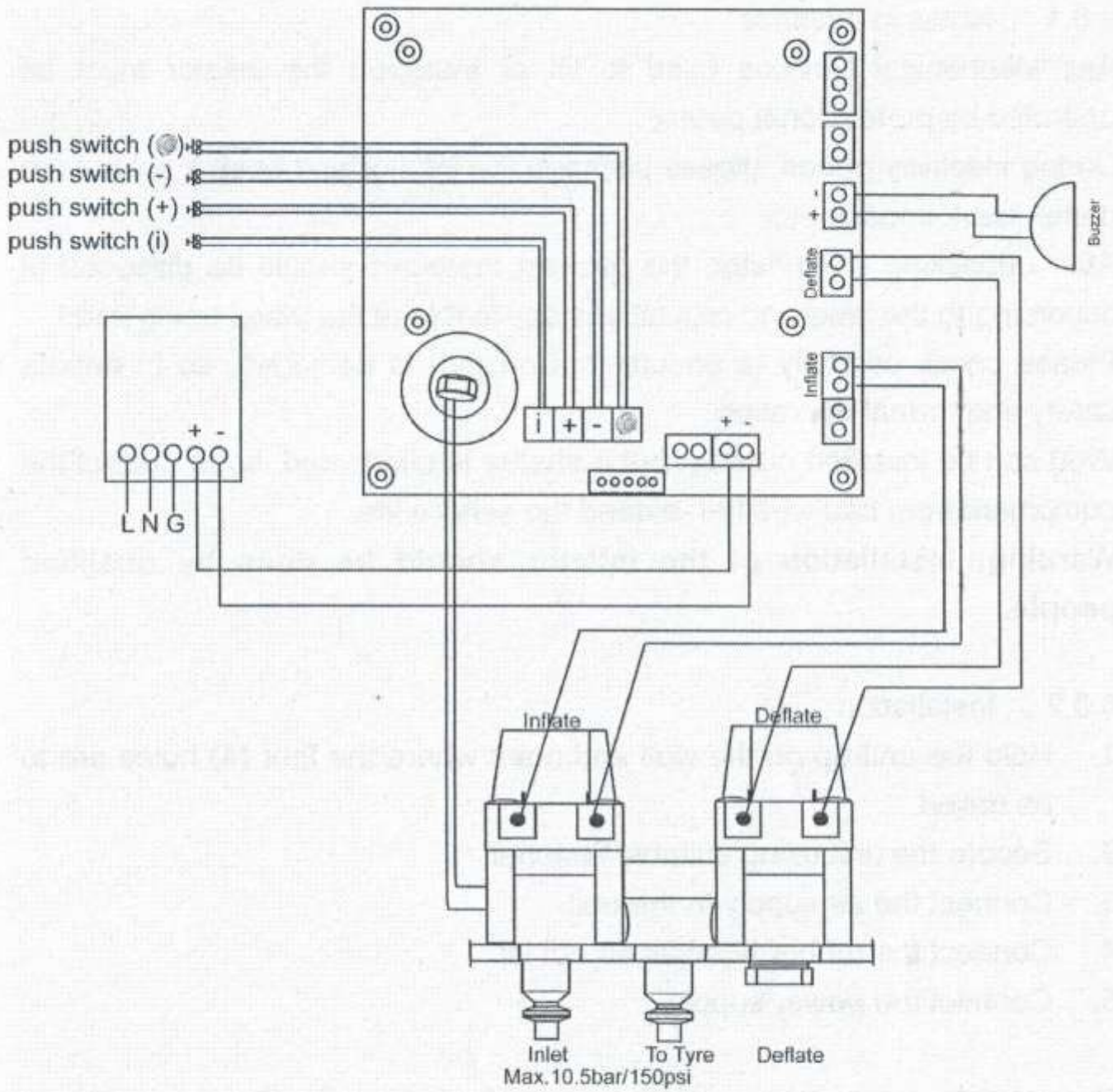
Please check and make sure that the following components are complete in the package.

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 tyre	Air hose improperly connected	Check the hose connection, make sure that no air leaks
	Tyre 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 tyre
Er3	Connected Tyre pressure is too high pressure > 13 bar (188.5psi)	Stop inflating this tyre
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 tyre

5.0 Wiring Diagram



W60

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.

W60 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**

WARNING

To avoid equipment damage, never exceed the manufactures maximum inlet pressure of 10.5bar, 1050kpa, 150psi, 10.5kg/cm²

system.

2. Keep the compressed air inlet pressure within 10.5bar (1050kpa/150psi/10.5kg/cm²).
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 tyre 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:	0.5-10bar (1000kpa/145psi/10kg/cm ²)
Accuracy:	+/-0.02bar (+/-0.3psi)
Max Inlet Air Supply:	10.5bar (150psi)
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

