

Digital Automatic Tire Inflator K3060

OWNER'S MANUAL



RapidAir Products

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Thank you for selecting our Digital Automatic Tire Inflator. Please read this manual before carrying out any installation or service procedure.

This manual is an essential part of the product. Do not remove, tear, or amend any manual parts for any reason. It must be made available to the operator and maintenance personnel to ensure staff training.

The manual must always remain with the machine; if the machine is 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

The following symbols will be used throughout the manual. This information is for your safety and to prevent damage to this product.



2.0 Control Panel



(K3060)

Switch Function:



Reduce final target pressure



Increase final target pressure

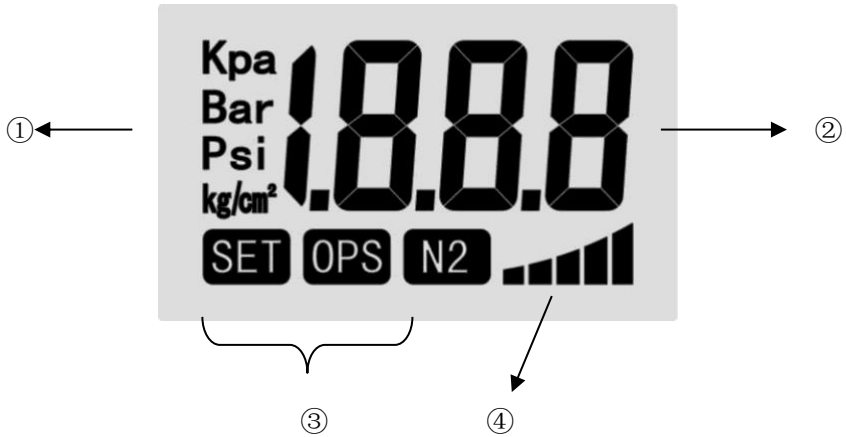


Select: Unit Change/OPS set



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 K3060



3.0.1 Specifications

Material:	Die cast Aluminum Enclosure
Degree of Protection:	IP56
Dimensions:	9"*10.5"*3.5" (23*27*8.5cm)
Shipping Weight:	12lbs (5.5kgs)

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

The device has four units that can be chosen by the user, which is kPa-psi-bar-kg/cm²

The unit set here will become the default unit for the following usage; you do not need to set the unit each time.

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

2. Set OPS

- ① Press **【SELECT】** 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 **【ENTER】** to confirm. If OPS value is not zero, **【OPS】** will be displayed at the LCD screen.

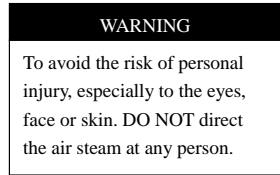
3. Inflation & Deflation

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

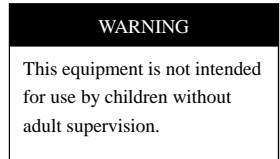
OPS Function:

Note the tire has to be less than 3 psi or 0.2 bar to use OPS Function.

1. Press **【SELECT】** to enter the function setting mode. After selecting the mode, press **【SELECT】** again to enter the setting directly. Press **【SELECT】** twice, and the device will quit out of the setting mode without saving any selection.

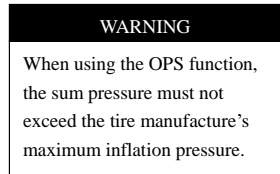


2. When the OPS function is on, the device will inflate to the target pressure plus the OPS value first, then deflate to the desired tire pressure. For example, a final target of 32 psi or 2.2 bar with an OPS setting of 16 psi or 1.1 bar gives a sum of 48 psi or 3.3 bar. This sum of 48 psi or 3.3 bar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



3. The device will not start automatically if tire pressure is lower than 3 psi or 0.2 bar. Press **【ENTER】** for 2 seconds to start manually.

4. During inflation, the device will check tire pressure automatically. The rolling bar will be going from left to right, which means inflating, and right to left, which means deflating.



3.0.4 Components List

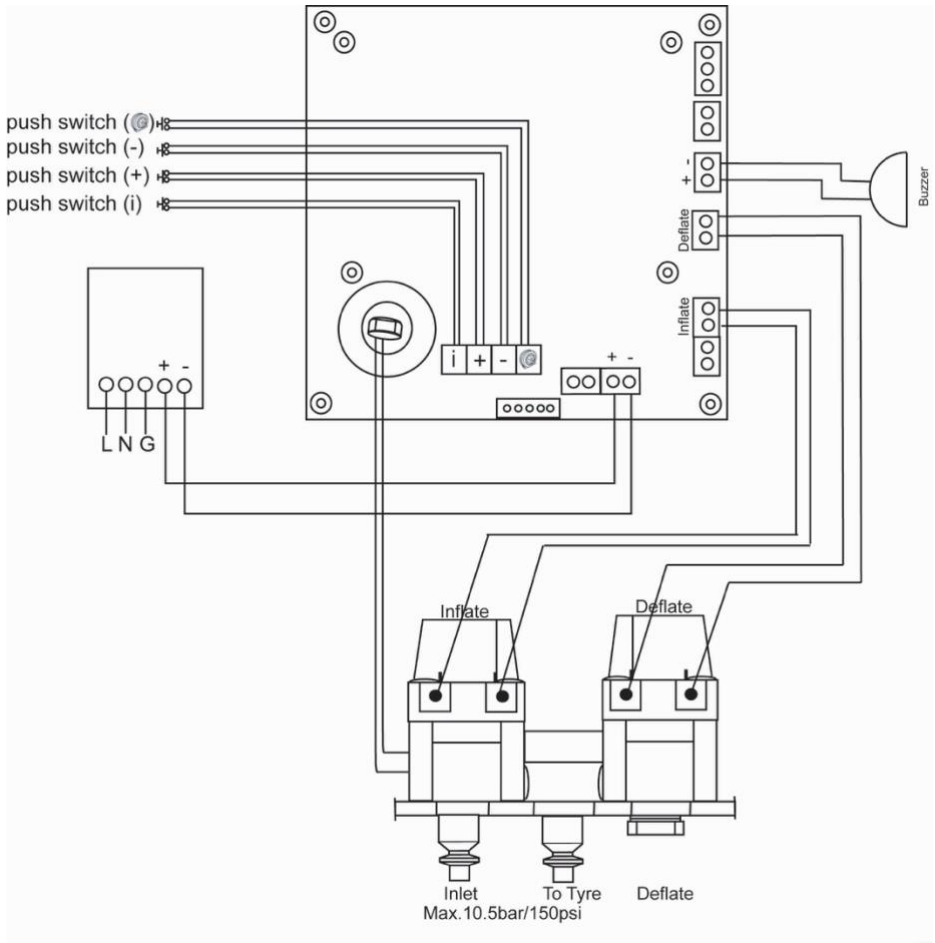
Please check and make sure that the following components are complete in the package.

1. Inflator Body with power cord
2. 32.8' (10M) 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 【ENTER】 for 2 seconds
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 > 13 bar (188.5psi)	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



K3060

6.0 Installation & Maintenance

6.0.1 Installation Notes

- Any Mechanical Devices used to lift or transport the inflator must be operated by professional people.
- During the inactivity period, please package the inflator and keep it away from dampness, heat, impact, etc.
- K3060 can be installed outside, but a shelter is suggested to extend the service life and protect the equipment from bad weather.
- **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.
6. Since directly compressed air contains oil and water, water from condensation, and oil from the compressor, which can potentially damage the device, it is essential to filter them out first from the system.

Remark:

1. Keep the compressed air inlet pressure within 10.5 bar (150psi).
2. The device is not supplied with the protection switch; please install it yourself if necessary

WARNING

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

6.0.3 Maintenance

Daily Maintenance

Although the device does not require maintenance, a routine check of the pneumatic connection is suggested. Qualified personnel should carry out daily maintenance. If more advanced maintenance is required, inquire at RapidAir Products for guidance.

6.0.4 Warranty

The Digital Automatic Tire Inflator model K3060 wall-mounted tire inflator is warranted for 1 year from the date of purchase, except if the products have been damaged by misuse, faulty installation, incorrect maintenance or accidental damage, unauthorized modification or repair, or force majeure. The warranty does not cover air hoses or hose connectors (hose chucks).

Note: All faulty PCBs within the warranty period must be returned to the factory for assessment and repairs. PCB failure 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:	14°F ~ 122°F (-10°C ~ 50°C)
Relative Humidity:	up to 95% RH non-condensing