

Digital Automatic Tire Inflator K3063

# OWNER'S MANUAL



## RapidAir Products

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Thank you for selection our Digital 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

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



Switch Function:



Reduce final target pressure



Increase final target pressure



Select: Unit Change/OPS set/N2 set



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



Preset switch P1, P2 & P3 can be programmed to store any preset pressure value setting.

# LCD display



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

### 3.0 Digital Automatic Tire Infiltrator K3063

#### 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 & Operation

The device is including the OPS (over pressure setting) function.

Operation:

#### 1. Unit select

The device has four units that the user can select: kPa-psi-bar- kg/cm<sup>2</sup>

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

- ① Power On mode, 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 P1/P2/P3

- ① Press **【P1】**
- ② Press **【+】** or **【-】** to set the default pressure value for **【P1】**
- ③ Press **【SELECT】** , **【SET】** and **【OPS】** will be shown on the LCD screen, **【OPS】** will be flashing.
- ④ Press **【+】** or **【-】** to choose the OPS value. If OPS value is not zero, **【OPS】** will be displayed at the LCD screen.
- ⑤ Press **【SELECT】** and **【OPS】** will stop flashing. A zero will be displayed on the screen. Press **【+】** or **【-】** to choose the over pressure hold time. This can be increased or decreased in 5 second increments.
- ⑥ Press **【SELECT】** one more time, **【SET】** and **【N2】** will be shown on the LCD screen, **【N2】** will be flashing
- ⑦ Press **【+】** or **【-】** to select the number of times for N2 cycles (The times of N2 purge cycles is 1~9 times which is adjustable) If the N2 value is not zero, **【N2】** will be displayed on the LCD screen.
- ⑧ Press **【ENTER】** to confirm, current setting values will be saved on the **【P1】**
- ⑨ For **【P2】** / **【P3】** setting process is similar to the above operation



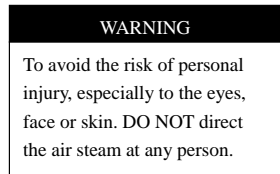
### 3. Inflation & Deflation

- 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.

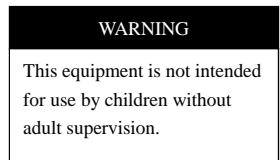
#### OPS Function:

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

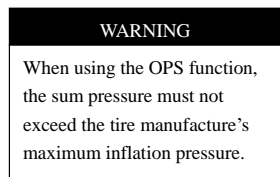
1. Press **【SELECT】** to enter the function setting mode. After selecting the unit, press **【SELECT】** again to enter the **【OPS】** setting directly. Press **【SELECT】** thrice, and the device will quit out of the setting mode without saving any selection.



2. 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.



3. Once the desired **【OPS】** is set, press **【SELECT】** to choose the over pressure hold time. This can be increased and decreased in 5 second increments. Then press select again, to save the over pressure hold time. If the hold time is not zero, a timer will be displayed once the tire pressure reaches the sum value. After the timer countdown is complete, the tire will deflate to the final target pressure.



4. If tire pressure is lower than 3 psi or 0.2 bar, the device will not start automatically. Press **【E】** for 2 seconds to start manually.
5. During inflation, the device checks tire pressure automatically. The rolling bar moves from left to right, which means inflating, and right to left, which means deflating.

#### 3.0.4 Components List

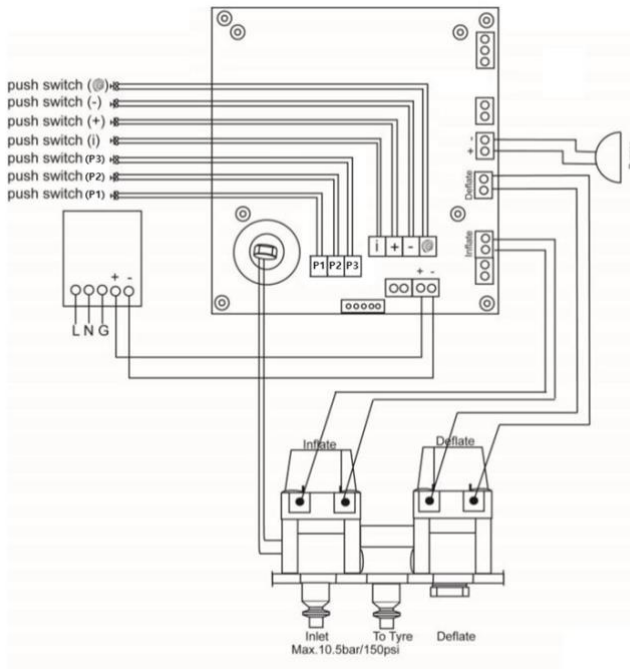
Please check and make sure that the following components are complete in the package.

1. Inflator Body with power cord
2. 10M Black Rubber Air Hose
3. Hook and M6\*38 screw kit (1pc)
4. User manual
5. M6\*38 screw 4pcs for wall mounting

## 4.0 Troubleshooting

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
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 <b>【ENTER】</b> 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> 12 bar (174psi)	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



## K3063

### 6.0 Installation & Maintenance

### 6.0.1 Notes in advance

- During the inactivity period, please package the inflator and keep it away from dampness, heat, impact, etc.
- After unpacking the inflator, the packing materials should be disposed of according to the laws and regulations applicable where they are being used. Please check carefully to ensure that no part is damaged to ensure safety and formal operation.
- K3063 can be installed outside, but a shelter is suggested to protect the equipment from bad weather and extend the service life.

### 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, these can potentially damage the device, so it is essential to filter them out first from the system.

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 10.5bar, 1050kPa, 150psi, 10.5kg/cm<sup>2</sup>

2. Keep the compressed air inlet pressure within 10.5bar (1050kPa/150psi/10.5kg/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

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

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:	0.5-10bar (1000kPa/145psi/10kg/cm <sup>2</sup> )
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
Display Increments:	1psi, 5kPa, 0.1Bar
Units of Measurement:	psi, kPa, bar, kg/cm <sup>2</sup>