PART NUMBER	
SERIAL NUMBER	

FREESTANDING STAND UP PADDLEBOARD INFLATOR

Quick Start Manual

Please read these instructions carefully before attempting to assemble, install, operate or maintain the product. Protect yourself and others by observing all safety information. Failure to do so could result in personal injury and/or damage to property. Retain these instructions for future reference.

For D9x models

Safety Guidelines

WARNING

Please read and follow the accompanying Safety Instructions before continuing.

Please ensure all operators are familiar with the Safety Instructions.

The equipment must be used in the manner specified by the manufacturer otherwise the safety protection provided by the equipment may be reduced.

Actual product may vary by model.

General Specifications

Max operating pressure:	22 psi
Min operating pressure:	5 psi
Display resolution:	1 psi / 0.1 bar
Voltage and power:	see product rating label
Operating temperature range:	-10 °C to +55 °C
Internal compressor pressure:	40 psi safety limit
Overall dimensions (w x d x h):	480 mm x 270 mm x 1430 mm
Weight:	40.5 kg
Sound Pressure Level:	81.5 dBA

Suitable for outdoor installation

Installation

Please ensure all safety information is visible to the operator.

The product should be mounted securely to a solid floor using anchor bolts in all mounting holes provided. Electrical, air and/or water services are intended to enter through the access hole(s) in the base of the unit.

Mounting diagrams are provided overleaf for all models.

CAUTION

The product is heavy, use lifting equipment. Where manual handling is required use two people.

Note that the unit is screwed down to the pallet. Remove all screws holding the unit (and coin vault) to the pallet.

Do not install on sites liable to flooding.

Contact details

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Sheffield, UK
S20 3GE

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sales@pclairtechnology.com

Electrical installation

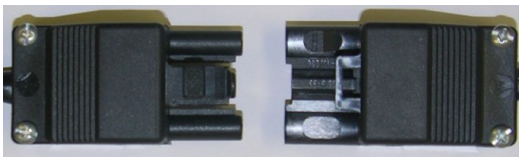
WARNING

The electrical installation of this product must be carried out by a qualified installer in accordance with wiring regulations.

For safe operation the equipment should be connected to an approved disconnect device such as a mains isolator that is correctly rated according to local national standards and regulations. The unit must be earthed and protected with a HBC type F fuse or circuit breaker rated at 6A max. when compressor is fitted, and approved and rated according to local national standards and regulations. The disconnect device must be marked as the disconnecting device for the equipment, it must be located close to the equipment and be accessible at all times.

For models with ST18 connections

Connect the electrical supply to the Wieland ST18 connector provided.



A 5A fuse is fitted in the isolator switch housing.

Ensure the isolator switch is on before use (as shown).

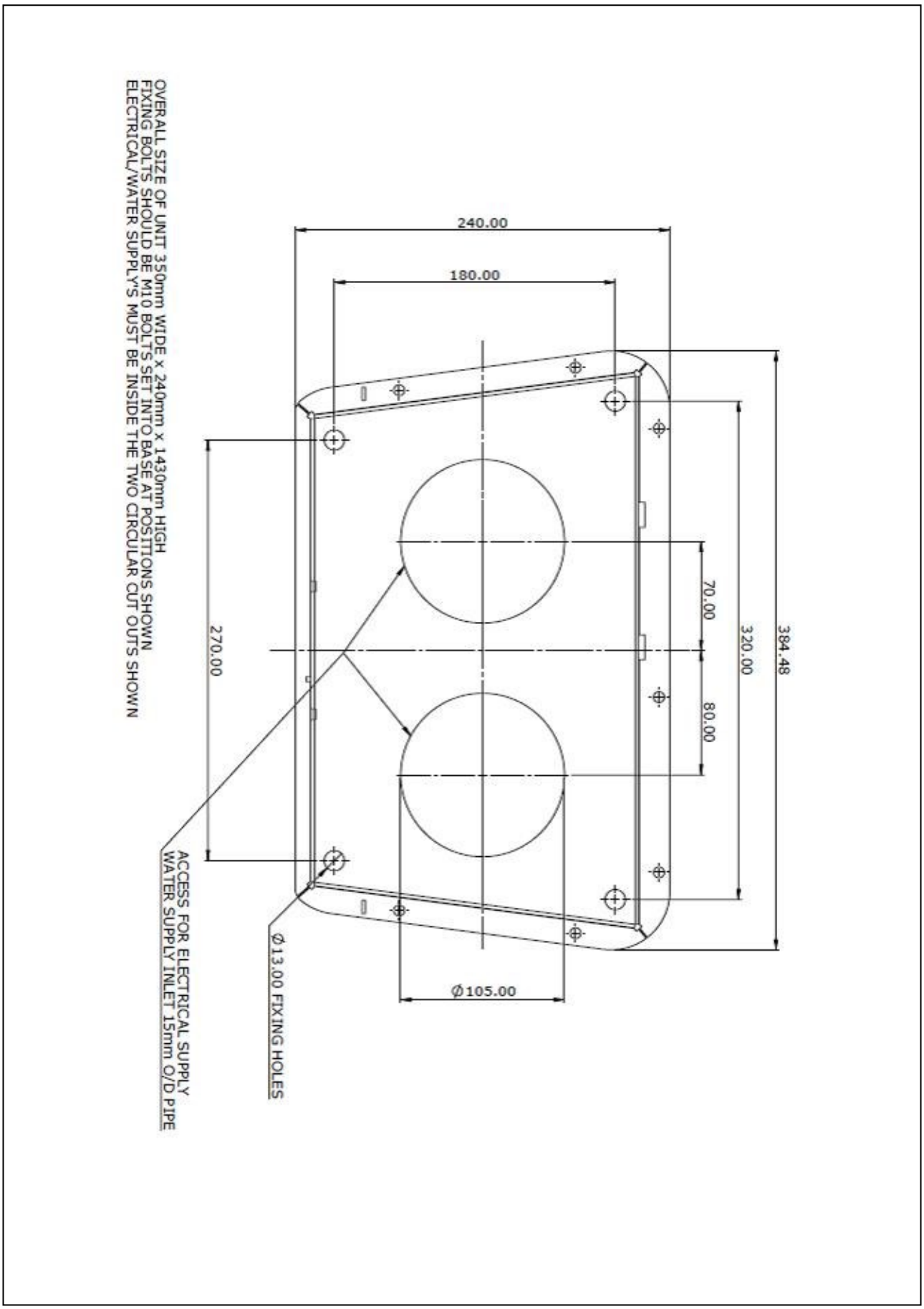
Securing the unit

WARNING

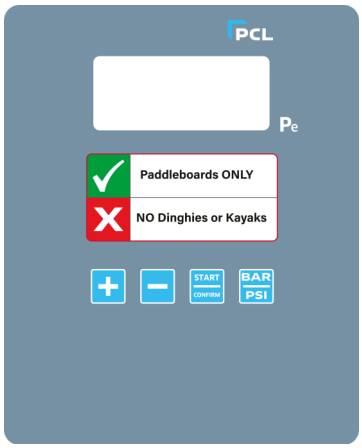
Internally, the equiptment contains moving parts and access should be restricted to trained personnel only.

The equipment should be kept locked to prevent access by end users (i.e. untrained personnel or members of the public).

Mounting template for D9x models.



Control Panel



Key Legend

+ − Increase or decrease to setpoint

START CONFIRM Confirm and start inflation

BAR PSI Toggle units of measurement

Note that the key legend above is for the standard PCL decal, symbols used may vary by individual part number but the functionality of the keys remains the same.

Start-up

Do not connect the outlet hose to a pressurised vessel during start-up or E5 and/or E16 will show

1. Turn on power supply.
2. Display will show all LCD digits check.
3. Display will show the current Firmware version number.
4. Display will show Program model variant.
5. Display will show the application e.g. 'Std'.
6. After 10 seconds the display will show 'PCL'.
7. The unit will then display the default set pressure.

Standard Operation

Inflation and deflation

1. Connect the hose to the stand up paddleboard.
2. Set desired pressure, by touching either + or −
3. For paid air units the compressor will start once adequate payment has been received.
4. Press the START CONFIRM button to confirm instructions and disclaimer have been read, the display will show '**CON**'.
5. Press the START CONFIRM button again to start automatic inflation.
6. Automatic inflation will commence to the set pressure, periodically stopping to display the pressure of the vessel.
7. When the set pressure is reached, the buzzer will sound and the display will show '**END**' with the final pressure.
8. Remove the hose from the stand up paddleboard. Ensure the paddleboard air valve is in the closed position to prevent air leakage.
9. For selection of alternative pressure units touch BAR PSI
10. To stop inflation, press any button on the control panel during unit operation.

Refer to the stand up paddleboard manufacturers recommended pressure when setting the required pressure.

User Inspection Mode

It is possible to set the inflator to act as a pressure gauge. The display resolution is changed and can be used to reference the inflator against a calibrated pressure source. The inflator cycle is inhibited.

To access

1. Ensure the outlet hose is disconnected from the vessel.
2. Touch + and − together.
3. The unit will beep but the display will not change.
4. Touch START CONFIRM 5 times.
   (if this is not done within 10 seconds, the inflator reverts back to the normal mode)
5. Display will show the pressures to the minimum resolution: psi = 0.1 / Bar = 0.01.
6. Connect the hose to a pressurised vessel and the display will show the pressure.
7. When complete, touch any button to return to the normal mode.

Cycle Counts and Coin Usage

To access

1. Touch + and − together.
2. The unit will beep but the display will not change.
3. Touch + 5 times.
   (if this is not done within 10 seconds, the inflator reverts back to the normal mode)
4. Display will show 'CNT' followed by the number of completed inflation cycles.
5. If the unit is payment controlled additional counters will be enabled, press + to increment to the following counters.
6. 'COI' = number of coins
7. 'T0' = number of tokens
8. To exit, wait 20 seconds, or increment to 'END' and press START CONFIRM

Payment mechanisms

Depending on the specific model the inflator may include a coin / token mechanism or cashless payment terminals.

To empty the coin holder

1. Use the keys provided to open the door.
2. Lift the coin holder out from underneath the coin mechanism and empty the contents.
3. Refit the holder and lock the doors.

For more information on the payment mechanisms or configuration parameters please refer to your distributor or PCL.

Service/Maintenance

The equipment contains moving parts (compressor). Do not operate with the cabinet door open. Ensure the Isolator Switch is turned to the "Off" position before any work is carried out.

Periodically

- Check the hoses and connector.
- Unscrew the bowl from the filter housing and check for any build up of moisture or dirt, clean and replace the filter as necessary.

Trouble Shooting Guide/Error Messages

Problem	Possible Cause	Solution
No display	No power connected	Switch power on
Buzzer does not sound	Buzzer volume has been turned off Buzzer is damaged	Turn buzzer on Replace buzzer
Inflation process starts but does not complete	Low or no supply pressure Leaks exist	Check supply pressure Confirm leaks do not exist
Inflating or deflating is very slow	Check that mesh filters under input and output port fittings are blocked	Clean and or replace mesh filters
Connector will not seal to the paddleboard	Connector worn	Replace connector
E1	Unstable or insufficient supply pressure	Check the supply pressure
E4	Small volume, caused inflator to check pressure > 2bar / 29psi over target pressure	Check hose is not kinked or blocked, ensure a OPEN END connector is installed
E5	Inflator started under pressure i.e. is connected to pressurised vessel or a CLOSED END connector is being used	Remove hose from vessel and allow inflator to reset Change connector to OPEN END type
E6	Pressure sensor drift out	New sensor required - Refer to authorised repairer
E8	Pressure sensor disconnected from PCB or faulty	New sensor required - Refer to authorised repairer
E9	Pressure sensor failure - high	New sensor required - Refer to authorised repairer
E10	Under voltage	Check power supply
E11	Over voltage	Check power supply - Refer to authorised repairer
E12	Checksum corrupted	New PCB required - Refer to authorised repairer
E13	Lost or corrupted calibration settings	New PCB required - Refer to authorised repairer
E16	Unit started under pressure	Unit started when connected to a pressurised vessel or new sensor required - Refer to authorised repairer
E17	Calibration settings corrupt	Recalibrate unit - Refer to authorised repairer
E18	Runtime error	New PCB required - Refer to authorised repairer
E19	Touch screen error	New PCB required - Refer to authorised repairer
E20 - E23	Startup sequence error(s)	New PCB required - Refer to authorised repairer

PCL LIMITED WARRANTY

PCL warrants the components of each unit to which this Limited Warranty applies against defects in materials and workmanship for a period of twelve (12) months from date of sale (as evidenced by bill of sale or equivalent) or for a period of eighteen (18) months from date of shipment from PCL manufacturing facility (identifiable by the serial number and noted on original bill of lading from the manufacturing facility), whichever period is shorter. During this warranty period and subject to the conditions set forth in this statement, PCL will, at its option, repair or replace component parts that were defective at the time of shipment from PCL manufacturing facility, subject, however, to the following specific EXCLUSIONS: hoses and connections.

Repair or replacement will not extend the warranty period.

Customer must give PCL timely notice of any warranty claim by contacting an authorized PCL service centre. Claims must be accompanied by (1) evidence, by a bill of sale or equivalent, which clearly establishes date of purchase of the unit and (2) the serial number, found on the unit. Customers must properly pack parts in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk for loss or damage in shipment. Return shipment to customer will be freight collect unless otherwise agreed. For service at a customers location, customer will be charged the then prevailing service rates .

The Limited Warranty applies to PCL manufactured units only. Items listed in the applicable operators manual under routine maintenance are not covered by this or any other warranty. Failure to complete maintenance as stated in any applicable maintenance schedule will void the Limited Warranty. The Limited Warranty is expressly conditioned upon proper and normal use and service of the unit and upon strict compliance by customer with all of PCL instructions and recommendations for installation, operation and maintenance. The Limited Warranty does not apply to the unit or parts that are damaged or become defective due to improper handling, maintenance, storage, use, or operation, and does not cover ordinary wear and tear, corrosion, or erosion.

THE LIMITED WARRANTY SET FORTH IN THIS STATEMENT CONSTITUTES PCL'S SOLE WARRANTY FOR THE UNIT AND THE REMEDIES SET FORTH HEREIN CONSTITUTE CUSTOMERS SOLE REMEDIES FOR BREACH OF WARRANTY. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN FACT OR BY LAW, INCLUDING WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Determination of the suitability of the unit for the use contemplated by the customer is the sole responsibility of the customer. PCL shall not, under any circumstances, be liable in contract, tort or otherwise (including negligence and strict liability) for indirect, special, incidental, or consequential damages, and PCL's total liability shall not exceed the net purchase price for the unit. PCL shall be excused for delay or inability to perform obligations due to events beyond its reasonable control.

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Warranty Registration

Please complete and mail this form to activate warranty
Or visit us at www.pclairtechnology.com

Name _____ Title _____

Company Name _____

Type of Business _____

Address _____

City _____ County _____ Post Code _____

Telephone _____

Part Number _____ Serial No _____

Purchased From _____

Purchase Date _____

Mail to:

Warranty Department
PCL
Holbrook Rise
Holbrook Industrial Estate
Sheffield
S20 3GE
United Kingdom

DRIVEN BY AIR.

Calibration Certificate

This unit has been calibrated on test equipment that is traceable to national standards and meets the specified accuracy requirements.

READING	SET PRESSURE			ACTUAL PRESSURE
1	BAR	psi	KPA	
2	BAR	psi	KPA	

PART NUMBER	
SERIAL NUMBER	
TESTED BY	
DATE	

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