



compac

PREMIUM DISPENSER TECHNOLOGY

**Communicator Installation Sheet
Version No. 1.0.3**

Date: 7th December 2018



Conditions of Use

- Read this manual completely before working on, or making adjustments to, the Compac equipment
- Compac Industries Limited accepts no liability for personal injury or property damage resulting from working on or adjusting the equipment incorrectly or without authorization.
- Along with any warnings, instructions, and procedures in this manual, you should also observe any other common sense procedures that are generally applicable to equipment of this type.
- Failure to comply with any warnings, instructions, procedures, or any other common sense procedures may result in injury, equipment damage, property damage, or poor performance of the Compac equipment
- The major hazard involved with operating the Compac C4000 processor is electrical shock. This hazard can be avoided if you adhere to the procedures in this manual and exercise all due care.
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- Variations in installation and operating conditions may affect the Compac C4000 processor's performance. Compac Industries Limited has no control over each installation's unique operating environment. Hence, Compac Industries Limited makes no representations or warranties concerning the performance of the Compac C4000 processor under the actual operating conditions prevailing at the installation. A technical expert of your choosing should validate all operating parameters for each application.
- Compac Industries Limited has made every effort to explain all servicing procedures, warnings, and safety precautions as clearly and completely as possible. However, due to the range of operating environments, it is not possible to anticipate every issue that may arise. This manual is intended to provide general guidance. For specific guidance and technical support, contact your authorised Compac supplier, using the contact details in the Product Identification section.
- Only parts supplied by or approved by Compac may be used and no unauthorised modifications to the hardware or software may be made. The use of non-approved parts or modifications will void all warranties and approvals. The use of non-approved parts or modifications may also constitute a safety hazard.
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Product Identification

Specifications	
Manual Title	Communicator Installation Sheet
Original Publication Date	5 th October 2011
Models Covered	This manual applies to Compac Communicator – All applications: Power supply 230-240VAC, 50Hz; 2Amp +/-10% <i>NOTE: Do not use this manual for earlier models. Contact Compac for archived manuals if required.</i>

Validity

Compac Industries Limited reserves the right to revise or change product specifications at any time. This publication describes the state of the product at the time of publication and may not reflect the product at all times in the past or in the future.

Manufactured By:

The Compac Communicator is designed and manufactured by Compac Industries Limited

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Product Identification



Document Control

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Controller Safety

You must adhere to the following safety precautions at all times when working on the Compac equipment. Failure to observe these safety precautions could result in damage to the dispenser, injury, or death.

Make sure that you read and understand all safety precautions before operating the Compac equipment.

Electrical Safety: Observe the following electrical precautions

- **DANGER:** Always turn off the power to the Communicator Controller before removing the box lid. Never touch wiring or components inside the Communicator Controller with the power on.
- **CAUTION:** Always take basic anti-static precautions when working on the electronics, i.e., wearing a wristband with an earth strap.

Introduction

The Compac Communicator is designed as a versatile, multi-purpose authorisation and fuel management station.

It is compatible with most common fuel pumps and can be easily customised to accept a variety of authorisation methods and provide detailed transaction reporting. The main features include:

- Card, PIN, iTrack, HID or CWID authorisation options
- Site management by Netbase, CompacOnline, USB key, LAN or directly connected PC
- Can transmit tank gauging information

The unit can be managed remotely by either Netbase or CompacOnline.

Communication can be made by:

- Dial-up modem over phone line
- Broadband connection over ADSL capable phone line

Wireless connection using cellular modem

Compatibility:

The Communicator can be configured with the appropriate hardware to communicate to and control Compac, PEC protocol and selected Gilbarco and Email protocol pumps.

Tank gauging for VeederRoot, Diptronic and Franklin gauges.

Installation

The Compac Communicator must be installed in an office or suitable location inside a building. It must not be exposed to water, dust, excess heat or humidity.

In areas that experience temperature extremes or are subject to high humidity, an air-conditioned environment is recommended.

The unit can be wall or desk mounted.

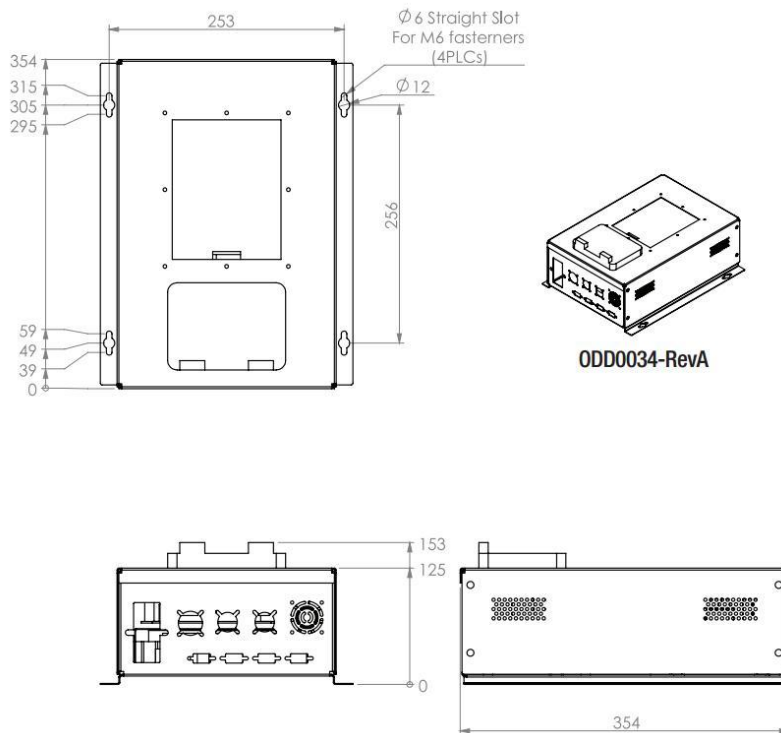
Do not place in any situation where the ventilation holes are covered.

Mounting:

Use suitable fasteners for the material you are attaching the Communicator to. Recommended shank diameter is 3 mm to 4 mm

Hole centres are in a square pattern, 256 mm high and 253 mm wide.

Partly screw in the fasteners, place the Controller over the heads of the fasteners, lower onto the slots and tighten up the fasteners.

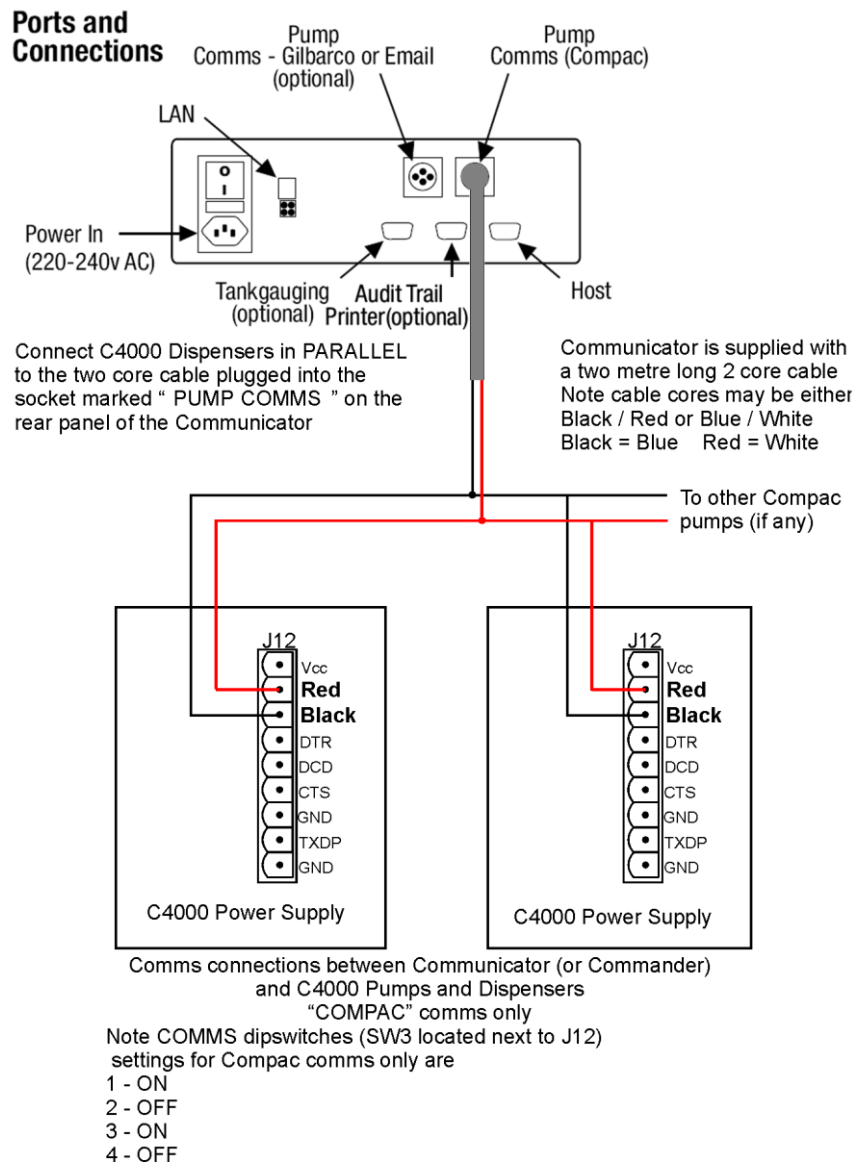


Wiring

- Wiring will depend on the set up of the unit.
- The three phase power lead plugs into the switch/socket.
- Other plugs will be labelled.
- Pump comms wiring must not exceed a total of 100 metres,
- Compac, PEC and Email pumps are wired in parallel, Gilbarco pumps are wired in series.
- Audit trail printer plugs into the unit via the labelled port.

Compac Comms and Wiring Layout

Bottom Panel of the Communicator:



Initial Power Up

When all connections have been made, disconnect the pump communication wires and turn the unit on at the mains switch.

Setting Pump Prices

The unit controls the pricing at the pumps. In most circumstances the pricing information is sent to the unit either via a USB key or via the internet using Netbase or CompacOnline.

Pricing via USB Module:

Start up your laptop, insert the Compac USB key and open the Price file. Check the price is correct. If not, change it and save.

Insert the key into the USB module, select Set Price and confirm.

Turn off the unit and the pumps, connect the pump communications wires and repower.

Check that the pricing on each hose is correct.

Pricing via Internet:

Confirm that the unit is on line and that the help desk has installed all updates.

Write down the on-line price(s).

Turn off the unit and the pumps, connect the pump communications wires and repower.

Check that the price on each hose matches the on-line price.

Manual Pricing

To set pricing manually, enter your pass code



The following options are displayed:

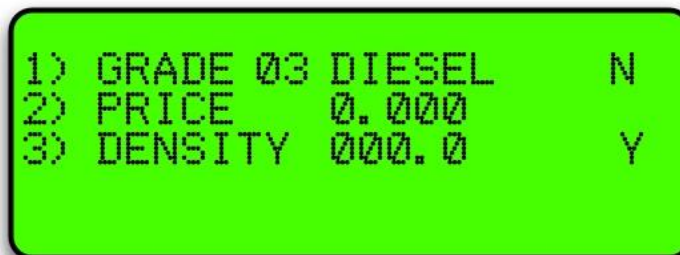


Select <3> Fuels

Option #3 FUELS

Selecting Fuels will bring up the following screen:

NOTE: Depending on your software, the Density line may not show.



Use the **YES** and **NO** buttons to scroll through the fuel types.

To change the price for the fuel grade, press **2** and the price will start flashing
Enter the new price in a four digit format and press Enter.

The following table describes the process.

Keyboard Entry	Result on Display	Operation
Enter Passcode		
<EntEr>	Main Menu is displayed	
<3>	Fuel Menu is displayed	
	1) GrAdE 2) Pr icE 0000	Change Price
<2>	1) GrAdE 2) Pr icE 0000 (flashes)	Use the N and Y keys to scroll up and down the Grades
Type in new price	1) GrAdE 2) Pr icE 0000 (still flashes)	
<EntEr>	1) GrAdE 2) Pr icE 0000 (stops flashing)	
<n> or <Y> to change another grade Repeat as for last grade		Change another price
<cLEAr>	Returns to Main Menu	Escape
<i>NOTE: Manual pricing is overridden by USB or internet pricing</i>		

Setting Pump Prices

Power on Tests

Depending on the setup of the unit, you will need to perform a number of tests.

Check Pricing

- Once the correct price is set, turn the Communicator off, connect the pump comms and re-power it.
- Check that all pumps are displaying the new price.
- Perform a test transaction on each pump.

Checking Transactions are Uploaded

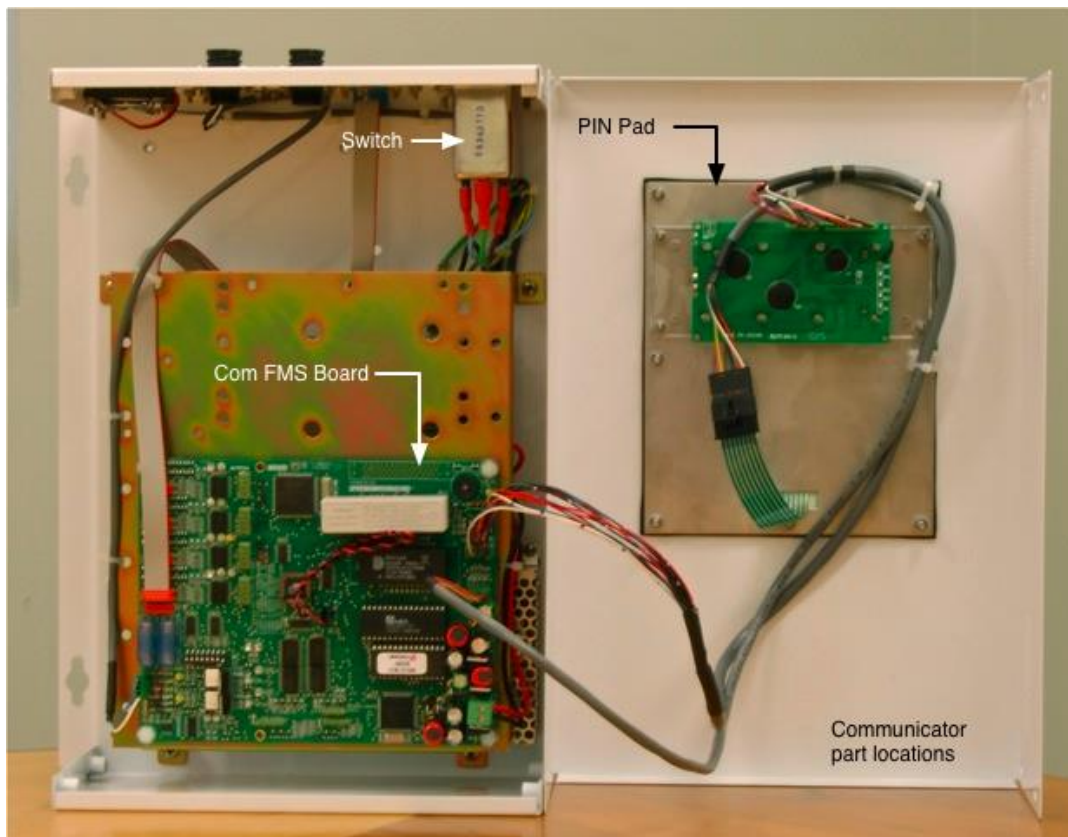
Contact the your Netbase or Compac Online administrator and check that your test transactions and any customer transactions that have taken place have been recorded correctly on Netbase or Compac Online.

For USB equipped units, download your test transactions and check that the information recorded matches the information on the receipts.

Check Audit Trail Printer

If the unit is connected to an audit trail printer, check that the date, time, price and amount of fuel dispensed is recorded correctly for each pump.

Part Locations



Part Locations

Installation Checklist

Site number and name:

Date:

Installer name and phone number:

Terminal ID number:

When a new unit is being installed use the following checklist to make sure the unit is fully operational. Check each box or write N/A where not applicable. Refer to the relevant installation manual for procedures.

Mechanical Checks

	YES	NO
Check unit is undamaged and has not been tampered with.		
Is the unit in a sheltered position and facing away from the prevailing wind and rain?		
Check all panels are securely fastened using tamper-proof fastenings where supplied.		
Check that all cable entries to unit are through glands.		

Power on Checks

	YES	NO
Check that the CE board, FMS board, pinpad, printer, cardreader, router and modem all power up.		
Check pumps are re-priced to the current fuel price.		
Check that different fuels are correctly priced on all hoses.		

Transaction Checks		
	YES	NO
Complete transaction using white card.		
Complete transaction using credit card (credit card DCA only).		
Check that all hoses can be selected and authorised by the unit.		
Check all hoses stop on or before the pre-authorized value (credit card DCA only).		

Receipt Checks (where fitted)		
	YES	NO
Check that the correct \$, L and fuel grade are printed on the receipt.		
Check the date, time and header information is correct.		

USB Module Checks (where fitted)		
	YES	NO
Check the supplied USB key is recognised by the unit.		
Select "Get Transactions" and check that transactions are uploaded to the USB key.		

CompacOnline Checks (when connected)		
	YES	NO
Check the site appears on CompacOnline.		
Check that transactions have been recorded on CompacOnline.		

Tank Gauging Checks (where fitted)

	YES	NO
Check that tanks are set up in CompacOnline and that correct levels are being reported.		
Check that the correct products are assigned to the correct tanks.		

Customer Training

	YES	NO
Check site attendants understand refuelling procedures.		
Check that site administrators understand how to obtain transactions and administer cards.		

Final Checks

	YES	NO
Ensure all cables are plugged back in after remote accessing.		
Tidy up all rubbish and clean the exterior of the unit before leaving.		

If one or more of these tests fail, contact the Compac help desk or your service centre so the problem can be logged, and parts issued if required.