Puregas, LLC

PVDW31 Interface Kit
P08033W Cycle Module

Installation

1. Introduction

This guide provides direction for the installation of the PUREGAS PVDW31 Interface Kit. It will cover the procedures for installing a new interface kit into PUREGAS P4200W, P6500W, P10/15KW, and P20/30KW Air Dryers.

This guide will be used during the installation of the Puregas P011988 Kit.

Note: For dryers manufactured before June 1, 2010 please contact Puregas LLC for an upgraded microprocessor. This will allow the remote reset.

Troubleshooting and maintenance procedures go beyond the scope of this guide and will not be covered.

2. Before You Begin

- Read through this guide entirely to familiarize yourself with the components and procedures.

- Verify all Included Contents (Section 4).

3. Required Tools

- Small size phillips head screwdriver
- Cutters or Snips

4. Included Contents

(1) PVDW31 Interface Module   (1) Interface Cable
(1) DB9 to DB9 Cable 25'   (1) DANGER Decal
(10) Ty-raps   (5) Clamp Ty-rap
(1) Double Sided Tape(not shown) (8) Cable Markers(not shown)
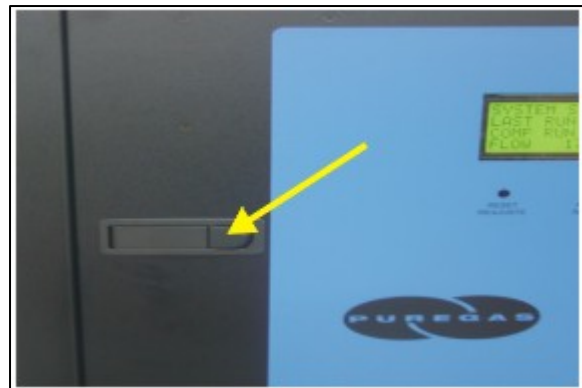(1) Installation Instructions(not shown)
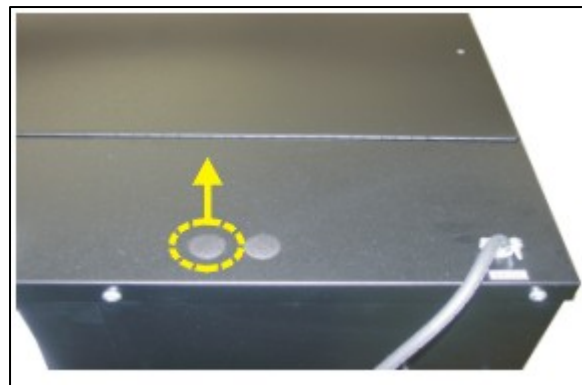
5. Installation for a P4200W

1. Power the dryer OFF.

2. Release the latch and open the front panel.

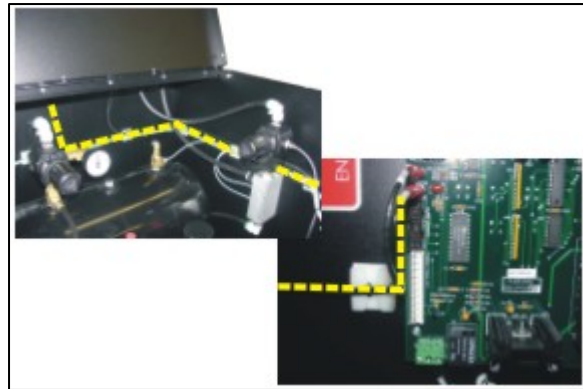3.   Remove the plastic plug from the top of the unit.

4. Install the PVDW31 interface module onto the top of the P4200W as shown.
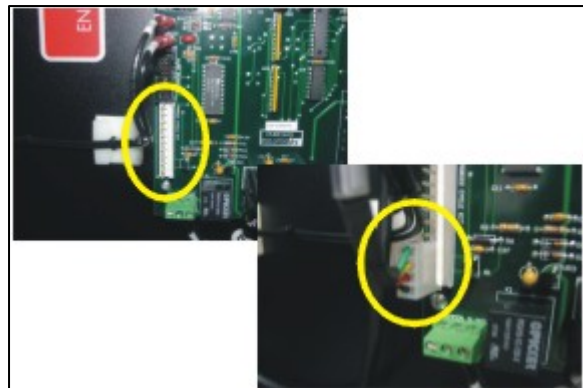

5. Install strain relief around interface cable and route cable into the unit. Install strain relief into hole. Attach the other end of the interface cable to the PVDW31 Ty-rap as needed.

6. Route the interface cable through the inside of the unit following the current routing of wires. Use Ty-raps as needed.
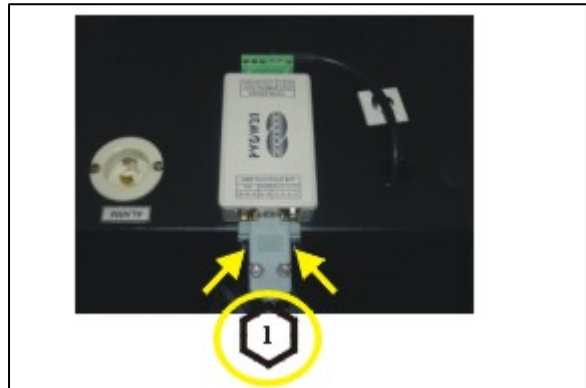

7. Install interface cable onto W2 on the control board.

8. Install DANGER decal onto front panel as shown.

9. Locate the 25' DB9 cable and the cable markers. Label both sides of the cable with the desired marker number. Connect the cable to the DB1 of the PVDW31 module. Route the other end to the P08033W Cycle Module, but do not connect to the cycle module. (See cycle kit installation guide).
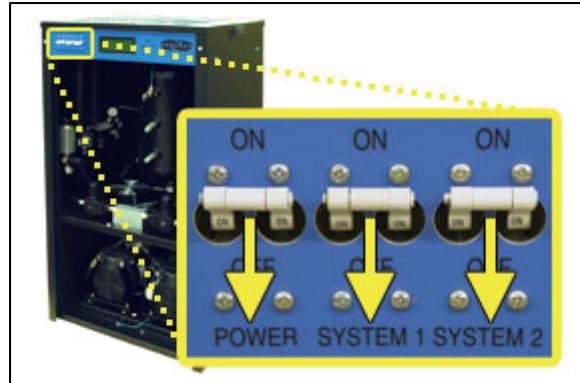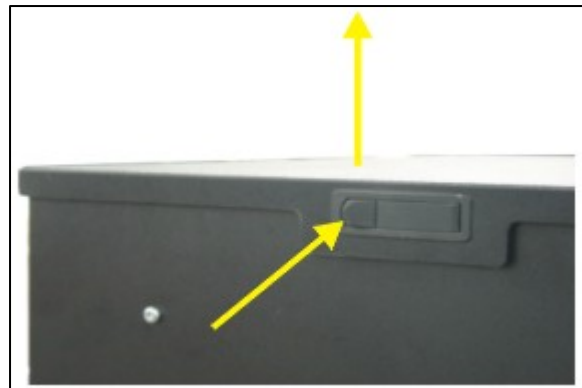

10. Power the dryer ON.

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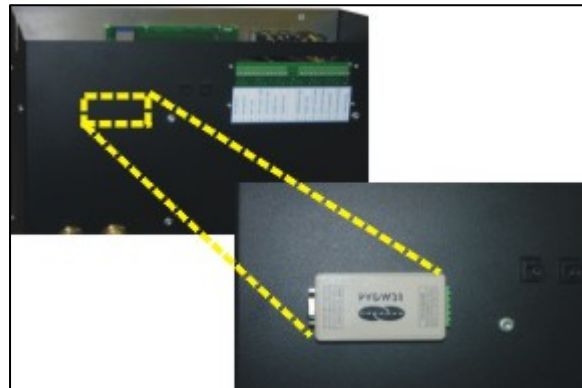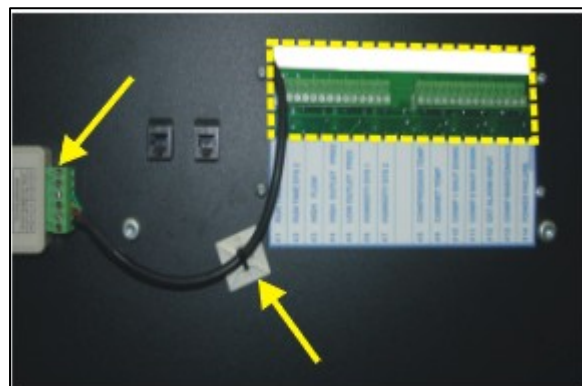## 6. Installation for a P6500W

1. Power the dryer OFF.

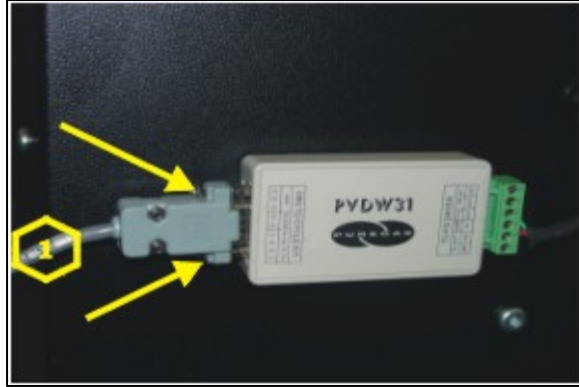2. Release both side latches and remove the top panel.

3. Install PVDW31 interface module onto the back of the unit as shown.
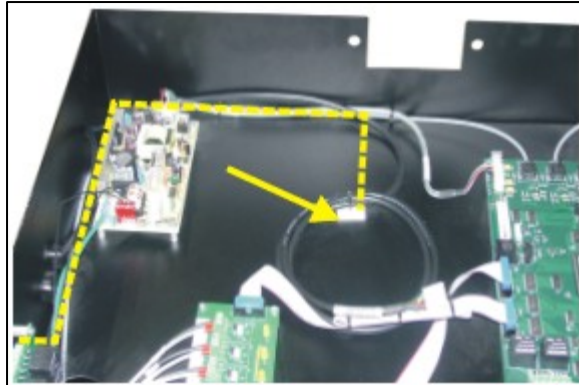
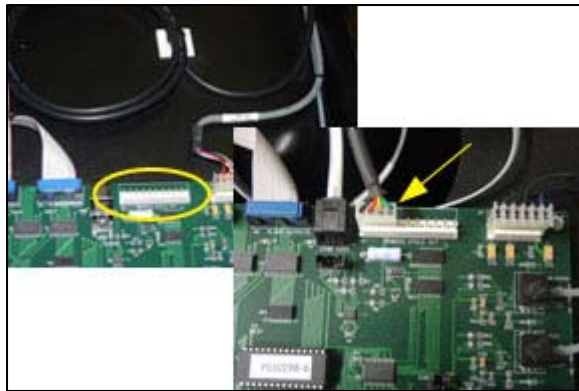4. Install and route the interface cable as shown.

5. Locate the 25' DB9 cable and the cable markers. Label both sides of the cable with the desired marker number. Connect the cable to the DB1 of the PVDW31 module. Route the other end to the P08033W Cycle Module, but do not connect to the cycle module. (See cycle kit installation guide).
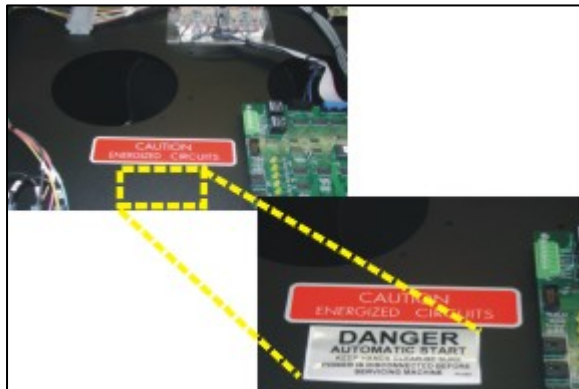
6. Route interface cable inside of the cabinet. Ty-rap as needed.

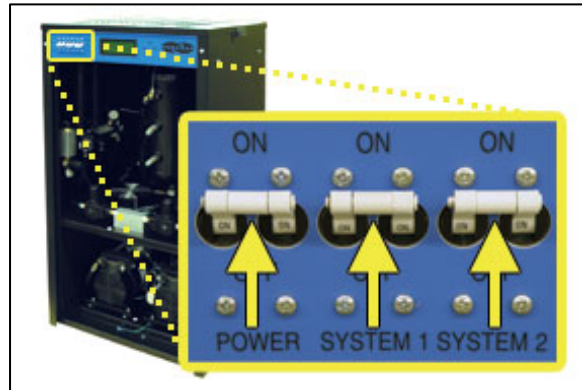7. Install interface cable onto W2 of the control board.
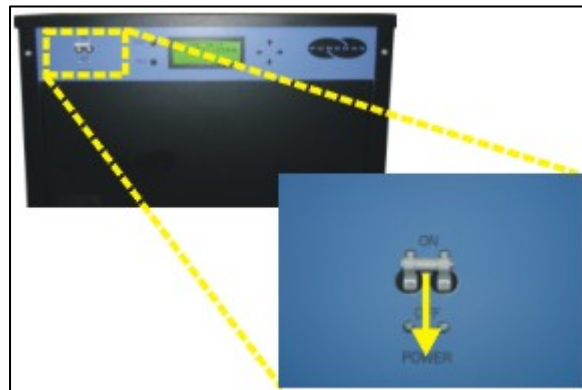
8. Install DANGER decal as shown.
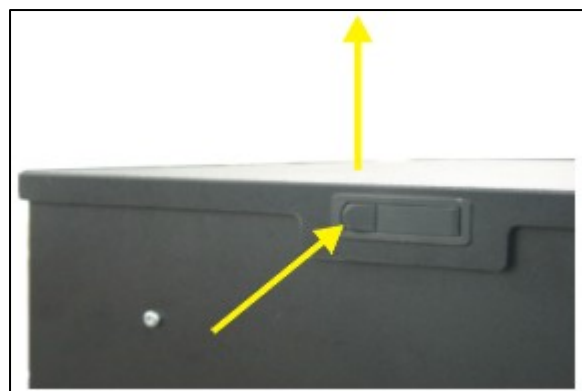
9. Install the top panel and turn the unit on.

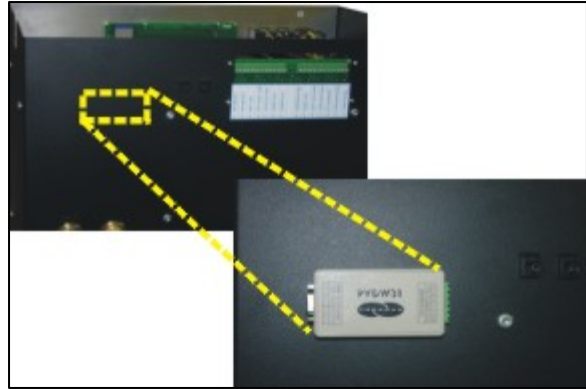## 7 Installation for a P10/15KW

1. Power the unit off.

2. Release both side latches and remove the top panel.

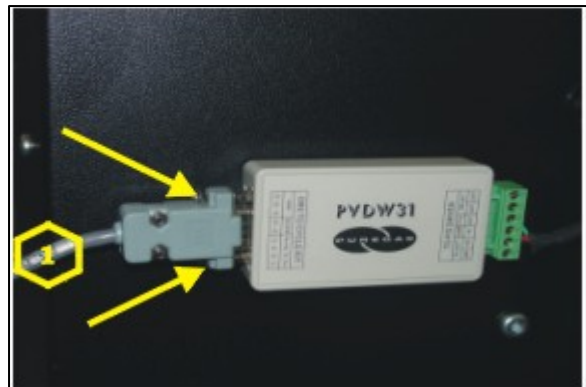3. Install PVDW31 interface module onto the back of the unit as shown.

4. Install strain relief around interface cable and route cable into the unit. Install strain relief into hole. Attach the other end of the interface cable to the PVDW31 Ty-rap as needed.
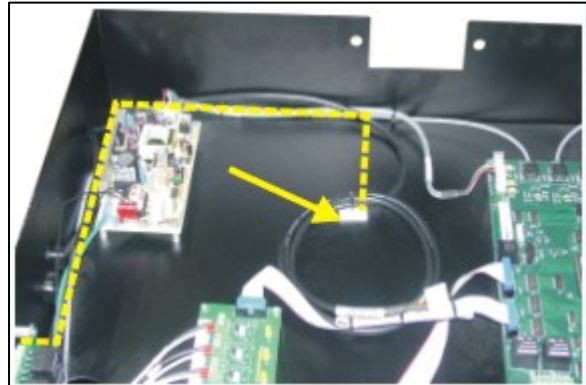

5. Install strain relief around interface cable and route cable into the unit. Install strain relief into hole. Attach the other end of the interface cable to the PVDW31 Ty-rap as needed.
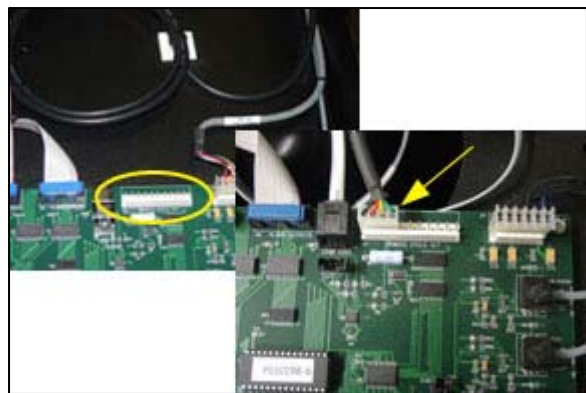

6. Locate the 25' DB9 cable and the cable markers. Label both sides of the cable with the desired marker number. Connect the cable to the DB1 of the PVDW31 module. Route the other end to the P08033W Cycle Module, but do not connect to the cycle module. (See cycle kit installation guide).
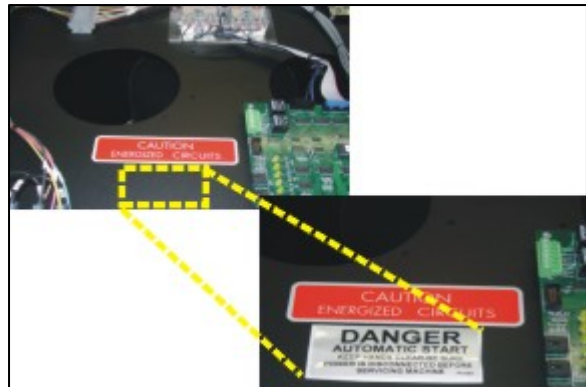
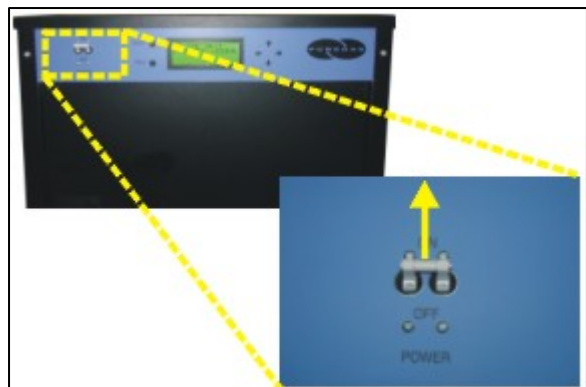7. Route interface cable inside of the cabinet. Ty-rap as needed.

8.   Install interface cable onto W2 of the control board.
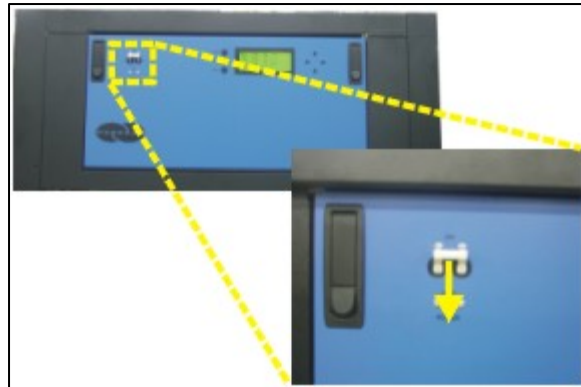

9. Install DANGER decal as shown.

10. Install the top panel and turn the unit on.
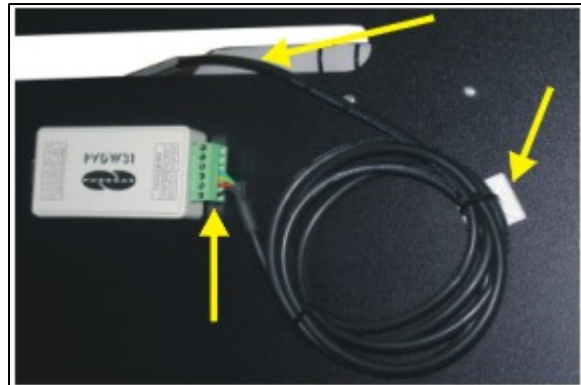
8. Installation for a P20/30KW
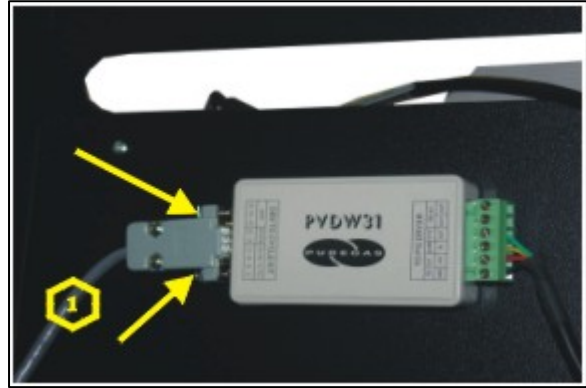
1. Power the dryer Off.

2. Install PVDW31 interface module onto the back of the front panel as shown.
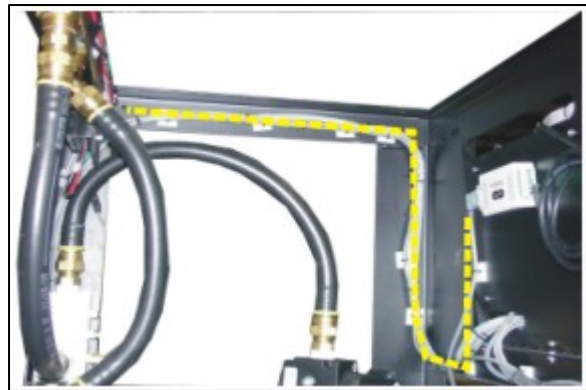

3. Attach the end of the interface cable to the PVDW31 Ty-rap as needed. Route as shown.
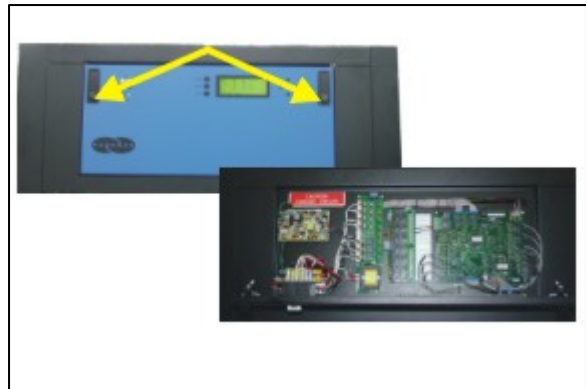
4. Locate the 25' DB9 cable and the cable markers. Label both sides of the cable with the desired marker number. Connect the cable to the DB1 of the PVDW31 module. Route the other end to the P08033W Cycle Module, but do not connect to the cycle module. (See cycle kit installation guide).
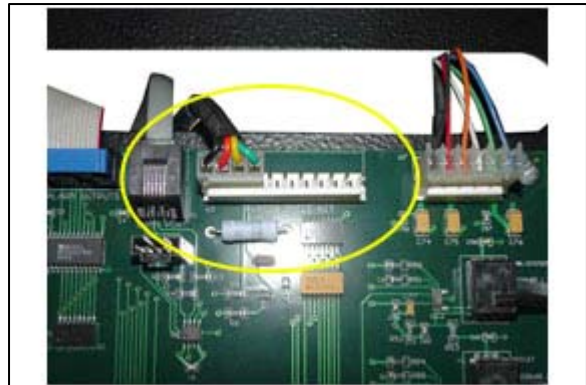

5. Route the other end to the P08033W Cycle Module, but do not connect to the cycle module. (See cycle kit installation guide).

6. Release and open the front panel.

7. Install interface cable onto W2 of the control board.

8. Install DANGER decal as shown.

9. Close and latch the front panel. Turn the dryer on.