

## Applicable Asset Models

- ✓ Concoa Intelliswitch 538 Series
- ✓ Concoa Intelliswitch 539 Series

## Package Contents

- ✓ Element-D
- ✓ Power Supply
- ✓ Mounting Plate
- ✓ Connection Cables

Note: You may receive multiple types of cables if you are connecting Element-D's to different types of assets.

## Prerequisites

- ✓ This installation requires serial communication to be enabled and set to 'RS-232' mode on the manifold itself. Many manifolds are already set this way, but if the device does not automatically begin collecting data, follow the Concoa Intelliswitch Gas Management System user manual to modify the DIP switch settings.

## Safety Information



Review and abide by the safety information found in the Element-D and Concoa Intelliswitch Gas Management System user manuals. Ensure compliance with your company safety best practices, which may include de-energizing equipment before working with electrical connections. Tidy connection cable to prevent tripping hazards.

## Installation Instructions

### Receiving the Shipment

1. If this is your first time setting up the Elemental Machines system, you will receive an email for your dashboard account verification. Save this email for when the devices arrive.
2. When devices are shipped, they will be added to your Elemental Insights™ Dashboard with default names.
3. When devices arrive, carefully remove the contents from the packaging. If any of the contents look damaged, please send a picture to [help@elementalmachines.com](mailto:help@elementalmachines.com).
4. Confirm the Element-D's in your package are labeled with the assets to which they are to connect. If the labels do not match the intended assets for connection, please contact [help@elementalmachines.com](mailto:help@elementalmachines.com).

## Element-D Initial Power-up

5. Move the Element-D for the asset into a dashboard group on the Elemental Insights™ Dashboard. The device status on the dashboard will be listed as 'disconnected'.
6. Plug the Element-D in using the provided power supply.
7. If the device has not been preloaded with your company's Wi-Fi, complete Wi-Fi Connection outlined in 771-00010 Wi-Fi Connection Guide - Gateway GW2/3, Element-C/D.
  - a. 771-00010 is included with your Element-D as a printed copy. Digital versions of this are available in the Support section of the Elemental Insights™ Dashboard.

## Attaching Connection Cable to Asset

8. Locate the Serial port on the asset (shown in Figure 1) to which the Element-D will connect. The circular port connector is located on the bottom of the asset.

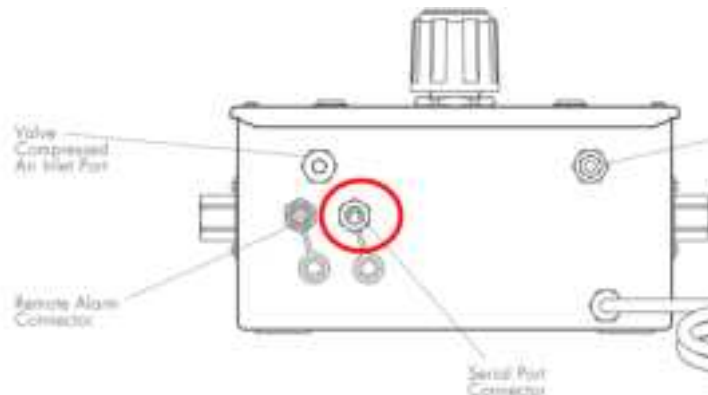


Figure 1 Bottom view of the gas management system. Serial port is circled in red.

9. Plug the circular end of the Concoa cable into the data port on the asset.
10. Plug the DB9 end of the Concoa cable into the USB-to-Serial cable (shown in Figure 2).

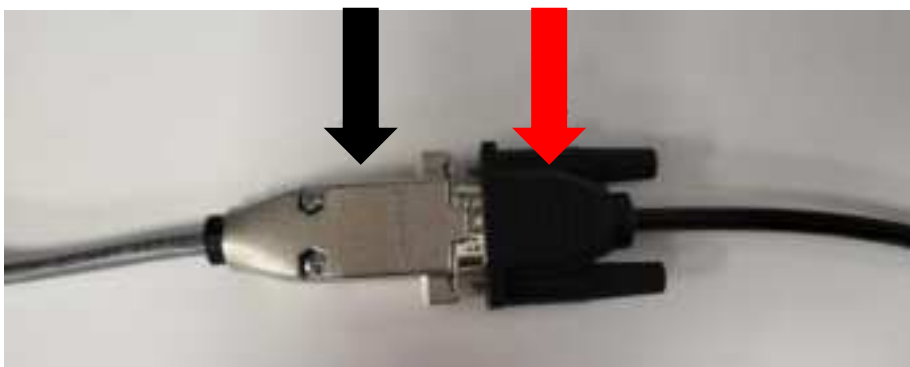


Figure 2 Concoa cable connected to USB-to-Serial cable. Black arrow indicates DB9 end of Concoa cable. Red arrow indicates serial end of USB-to-Serial cable.

## Attaching Connection Cable to Element

11. Plug the USB end of the USB-to-Serial connection cable into the data port on the Element-D. The USB connector may be plugged into any USB port on the Element-D (shown in Figure 3).

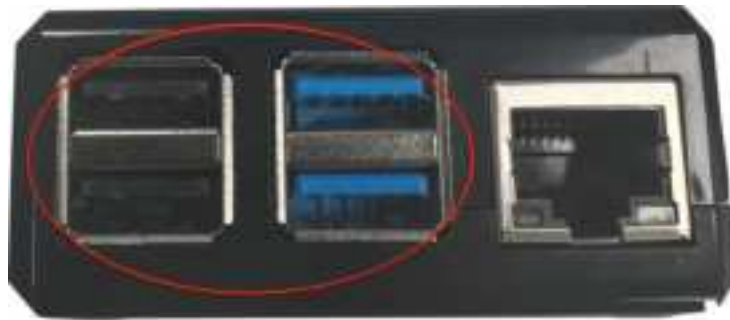


Figure 3 USB data ports on Element-D

## Positioning the Element-D

12. Determine where the Element-D should be placed to allow for power access and a tidy connection cable.
13. Securely position the Element-D in the chosen location. The Element-D has magnets which make it easily mountable to magnetic surfaces.
  - a. Note: If applicable, an adhesive metal mounting plate available from EM may be used.

## Finalization

14. Check the Elemental Insights™ Dashboard to confirm that inlet and outlet pressure values are populating.
15. Set up alert rules on the Elemental Insights™ Dashboard for the Element-D. Guidance on how to do so is available in the Support section of the dashboard.
16. If the dashboard does not display any value, check cable connection and power cycle the Element-D. Contact [help@elementalmachines.com](mailto:help@elementalmachines.com) if problem persists.
17. Contact any third-party vendor for next steps regarding communication to the external platform (if applicable).