



Device Solutions
Collector & Sensor
Installation Instructions

Revision History: **PRELIMINARY**



FCC Caution:

Changes or modifications not expressly approved by Device Solutions could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Collector Installation

1. Provision the Collector in the server
2. Remove the four 3/8" #4 screws into the corners of the enclosure top that fasten it to the enclosure base.
3. Connect the battery
4. Reinstall the four 3/8" #4 screws into the corners of the enclosure top that fasten it to the enclosure base.
5. Attach the enclosure to a surface. The best RF performance is obtained by mounting the Collector to a vertical surface.
6. Connect external power to the collector

Sensor Installation

1. Remove the screws that hold the top of the Sensor's enclosure to the base
2. Verify the signal strength at the Sensor
 - a. Open the Collector press the button to enter "install mode".
 - b. Wait for the internal green LED to illuminate.
 - c. Reboot the Sensor by removing and re-installing the 9 volt battery
 - d. Place the Sensor within 50 feet line of sight of the Collector
 - e. Wait for the Sensor's internal LED to illuminate (up to 1 minute)
 - f. The color of the LED indicates the following (red – poor signal quality, yellow – moderate signal quality, green good signal quality)

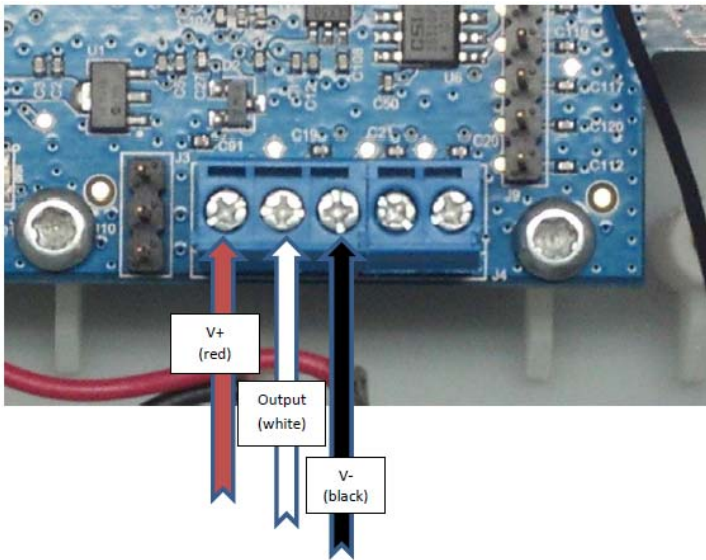
- g. Move the Collector and/or Sensor until the Sensor displays a good signal condition for at least 5 consecutive seconds
- h. Repeat c through g for each sensor
- i. Disable "install mode" for the Collector by pressing the button on the collector again (if this step is forgotten the collector will exit install mode in one hour)
- j. Turn off each Sensor by removing the 9 volt battery



3. Loosen the nut from the cable restraint shown above
4. Pass the transducer wires through the cable restraint
5. Tighten the cable restraint nut to the cable restraint
6. Attach the transducer wires to the terminal blocks. This connection depends on the type of transducer used. See the appendix for an example.
7. The total length of the transducer cable must be less than 10 feet
8. Install the 9 volt battery in the sensor
9. Re-install the screws that hold the top of the enclosure to the base
10. Attach the enclosure to a surface. The best RF performance is obtained by mounting the Sensor vertically.

- **Appendix:**

Ashcroft Pressure Transducer Installation



Bare wire (shield drain wire) from the transducer is unused.