

BL-5406 Pressure Sensor biCoder™

Installation Guide

The BL-5406 pressure sensor biCoder allows a BaseStation 3200™ irrigation controller to communicate with a standard 4-20 mA pressure sensor device. You can check the real-time readings from the sensor by running a test on the device from the controller or by looking at Quick View in BaseManager™.

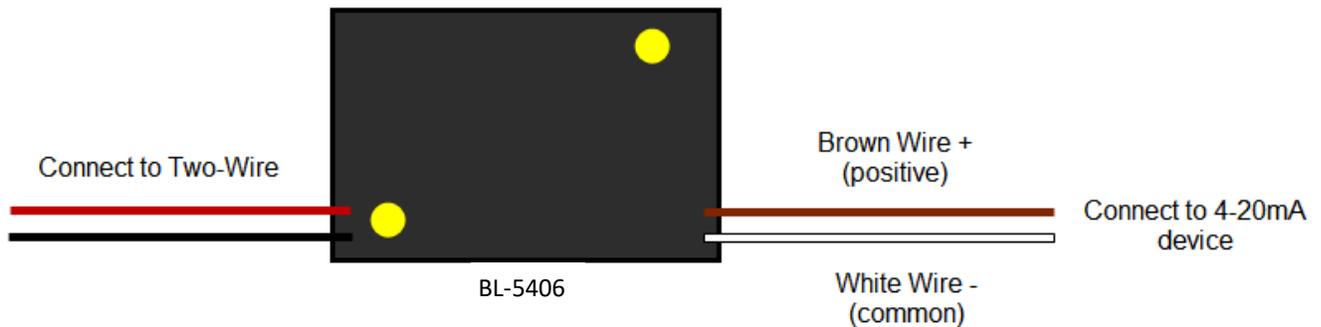
Note: The pressure sensor biCoder is compatible with BaseStation 3200 firmware version 16 or greater.

Installation Instructions

1. Power off the two-wire when installing devices. Leave 24 to 36 inches of slack on the two-wire to allow for easy installation and maintenance.
2. Connect the red and black wire from the biCoder to the corresponding red and black wires on the two-wire using 3M™ DBR/Y-6 or equivalent connectors. It is critical that polarity be maintained.
3. Connect the brown wire from the biCoder to the positive terminal or wire on the 4-20mA device.
4. Connect the white wire from the biCoder to the negative or common terminal or wire on the 4-20mA device.

Note: The common wires cannot be shared between different biCoders.

5. Continue with the procedure on page 2 of this Installation Guide to assign the biCoder in the BaseStation 3200 irrigation controller.



Use 3M™ DBR/Y-6 or equivalent connectors to connect the red and black wires to the two-wire. Make sure to maintain polarity.

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After you have connected the BL-5406 pressure sensor biCoder to the BaseStation 3200 irrigation controller, you need to assign the biCoder in the controller.

Assigning the BL-5406 Pressure Sensor biCoder in the Controller

1. On the BaseStation 3200, turn the dial to the **Assign** position.
2. Press the ↓ or ↑ button to move to the **Assign biCoders to Pressure Gauges** option, and then press the **Enter** button. The Pressure biSensors screen displays.
3. If **Search** is highlighted in the left column, press the **Enter** button to search for the biCoder. If **Search** is not highlighted, press the + or – button to highlight it, and then press **Enter**. The devices that are found display in the left column.
4. Press the + or – button to highlight the serial number of the pressure sensor biCoder that you want to assign.
5. Press the **Next** or **Previous** button to move to the PSI Assignments column and select an available slot.
6. Press the **Enter** button to assign the selected biCoder to that slot.
7. When you have finished making changes, turn the dial to the **RUN** position.

REMOTE DISPLAY		Pressure biSensors	
biCoders [minus] [plus]		PSI Assignments [previous] [next]	
-		7	-
Help		8	-
Search	Press ENTR To Search for Devices	1	00W0000
Unassign		2	C000238
-		3	-
-		4	-

Pressure Sensor Uses

- Set a low-pressure value for a water source to indicate that the water source is not available
- Set a high-pressure or low-pressure limit for a point of control. If this value is exceeded, the system triggers an alarm and/or shuts the point of control down.
- Set a delay based on a pressure setting before running zones on a mainline
- Start, stop, or pause a program based on a pressure reading
- Set a pressure to be reached before irrigation zones attached to the mainline will activate a master valve or operate a pump
- Set a time or pressure to be reached when zones shut down before allowing new zones to open
- Set a time or pressure to be reached before a master valve or pump shuts off