

BD8 / BD9 Sensor Wiring Diagrams

General Comments:

The red and black wires are used to supply power to the sensor. A regulated supply with a 10% tolerance is acceptable for this purpose. Power supply options are 5.0 or 8.0 to 24.0 VDC. The orange wire is the sensor output which indicates the wet/dry condition of the sensor. The standard configuration is a logic signal where HIGH indicates WET and LOW indicates DRY.

Electrical Connections:

Red: Power Supply Input: As purchased configuration.

Black: Ground / Return

Green: Self Test Input (HIGH or OPEN to run the self test, LOW or GROUND for normal operation)

Orange: Output: See the 3 diagrams below for proper operation based on the selected option.

Note: To avoid damage do not connect the output directly to the supply input.

Output Option #1: CMOS Logic



Output Option #2: NPN Open Collector



Output Option #3: PNP Open Collector

