AD10 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. Based on the purchased configuration the power supply can only be 5.0 or 12.0 VDC. See the table below to determine the proper voltage to be applied to your device. 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. The green wire is the sensor Self Test logic input. It is a standard CMOS input with 5.0V maximum.

Electrical Connections:

Red: Power Supply Input: As purchased configuration

Introtek Part Number AD10-0xxx-	Power Supply Voltage
xxx or AD10-1xxx-xxx AD10-2xxx-	5V
xxx or AD10-3xxx-xxx	12V

Black: Ground / Return

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

Orange: Output (See the 2 diagrams below for proper operation based on the selected option)

Output Option #1: CMOS Logic (AD10-0xxx-xxx or AD10-2xxx-xxx)

Output Option #2: NPN Open Collector (AD10-1xxx-xxx or AD10-3xxx-xxx)

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

Introtek International, L.P., Subsidiary of Ametek Incorporated

150 Executive Drive • Edgewood, New York 11717-9998
631-242-5425 • Fax 631-242-5260 • www.introtek.com • info@introtek.com