
Moisture Sensor Relay

A 5VDC Power Supply is required for operation of Moisture Sensor Relay

- Connections to Aquavar SOLO • Connections to S-Drive and SPD
- Connections to Aquavar ABII (AquaBoost II)

INSTALLATION AND OPERATION MANUAL FOR 9K585



CentriPro
a xylem brand

1: SAFETY INSTRUCTIONS

TO AVOID SERIOUS OR FATAL PERSONAL INJURY OR MAJOR PROPERTY DAMAGE, READ AND FOLLOW ALL SAFETY INSTRUCTIONS IN MANUAL AND ON EQUIPMENT.

THIS MANUAL IS INTENDED TO ASSIST IN THE INSTALLATION AND OPERATION OF THIS UNIT AND MUST BE KEPT WITH THE UNIT.



This is a SAFETY ALERT SYMBOL. When you see this symbol on the pump, the controller or in the manual, look for one of the following signal words and be alert to the potential for personal injury or property damage.



Warns of hazards that **WILL** cause serious personal injury, death or major property damage.



Warns of hazards that **CAN** cause serious personal injury, death or major property damage.



Warns of hazards that **CAN** cause personal injury or property damage.

NOTICE: INDICATES SPECIAL INSTRUCTIONS WHICH ARE VERY IMPORTANT AND MUST BE FOLLOWED.

THOROUGHLY REVIEW ALL INSTRUCTIONS AND WARNINGS PRIOR TO PERFORMING ANY WORK ON THIS CONTROLLER.

MAINTAIN ALL SAFETY DECALS.

⚠ WARNING Disconnect and lockout electrical power before installing or servicing any electrical equipment.

⚠ WARNING ELECTROCUTION HAZARD. CONTROLLER INPUT GROUND TERMINAL (GND) AND ALL EXPOSED METAL PIPING, INCLUDING PRESSURE TRANSDUCER CASE, MUST BE CONNECTED TO THE SERVICE ENTRANCE GROUND TERMINAL.

⚠ WARNING All electrical work must be performed by a qualified technician. Always follow the National Electrical Code (NEC), or the Canadian Electrical Code, as well as all local, state and provincial codes. Code questions should be directed to your local electrical inspector. Failure to follow electrical codes and OSHA safety standards may result in personal injury or equipment damage. Failure to follow manufacturer's installation instructions may result in electrical shock, fire hazard, personal injury or death, damaged equipment, unsatisfactory performance, and may void manufacturer's warranty.

5VDC MOISTURE SENSOR RELAY

MODEL #9K585

INSTALLATION INSTRUCTIONS

The Sensor can detect the presence of water and provide a relay output for signal or control of an external device. The switch operates on 5 Volts DC and functions as a Normally Closed Sensor, for a Closed Loop system. The Red and Black wires power the switch while the White and Green wires are the relay output wires.

For installation to an alarm panel, the Red wire is connected to the positive side of a 5 Volt supply and the Black wire is connected to the negative. The Green and White wires can then be connected to any pre-selected Closed Loop zone. A resistor can be connected in series with either the Green or White wire for those panels that require end-of-line resistance.

After installation these units should be tested with a damp sponge or paper towel and inspected annually. If there is any corrosion or damage the sensor should be replaced.

SPECIFICATIONS

Power Requirements:

Operating Voltage 5 Volts DC
Operating Current 10 mA

Contact Characteristics:

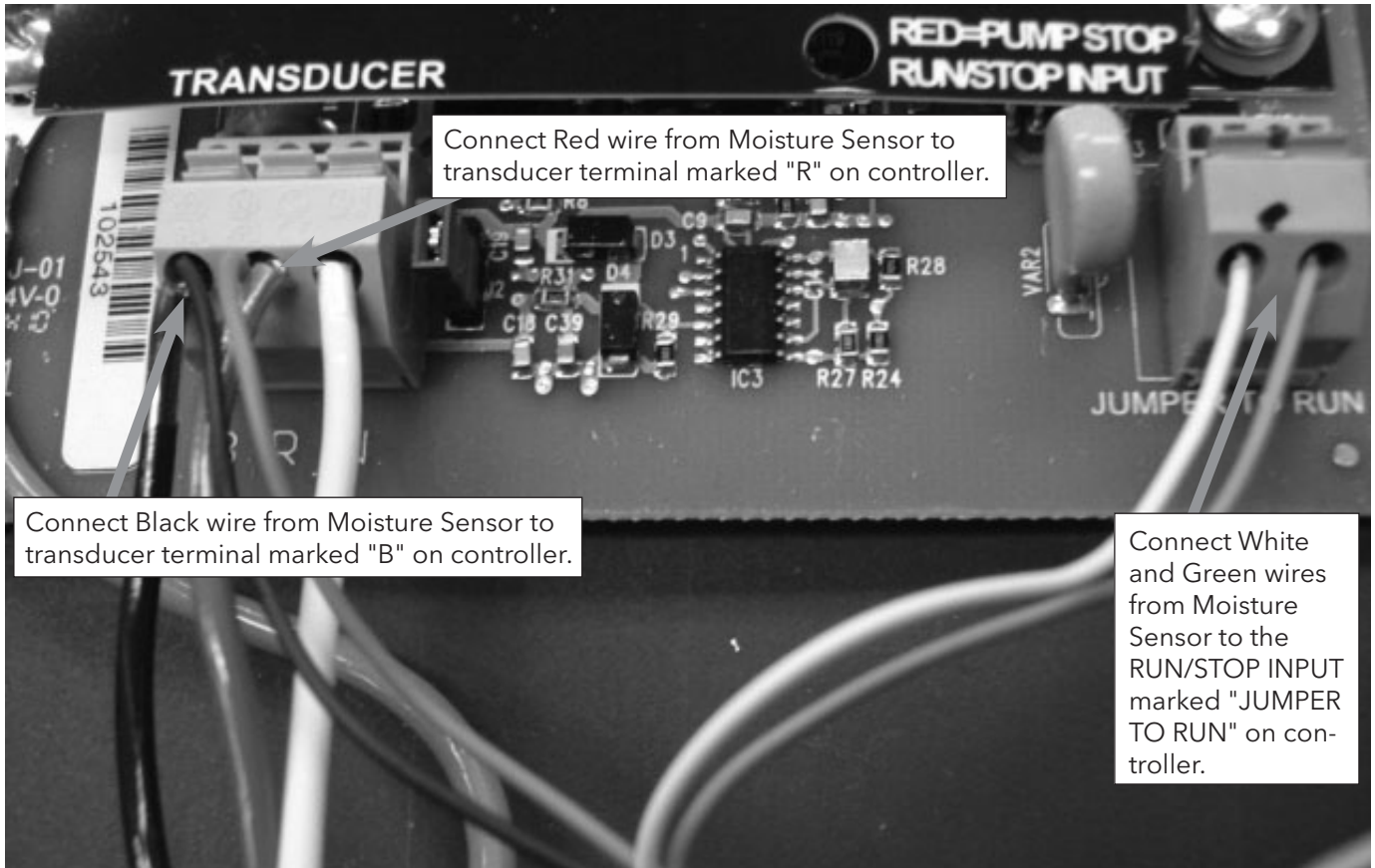
Contact Resistance 100 mΩ
Switching Voltage 30 Volts DC Max
Switching Current 500 mA Max
Power 250 mW Max

Wire Connections:

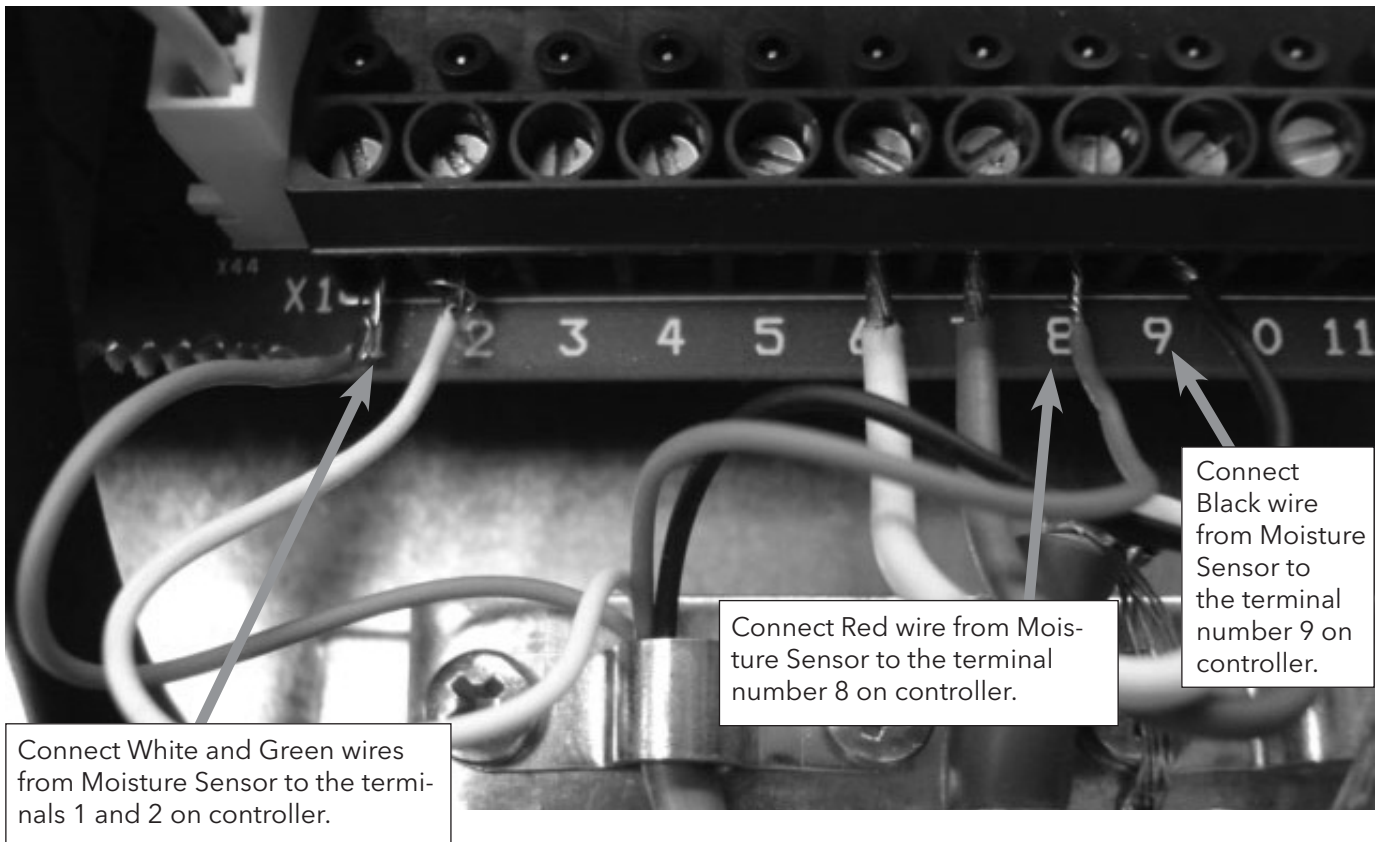
Red 5 Volts DC
Black - Ground
Green Relay Contact
White Relay Contact

AQUAVAR SOLO AND BALANCED FLOW

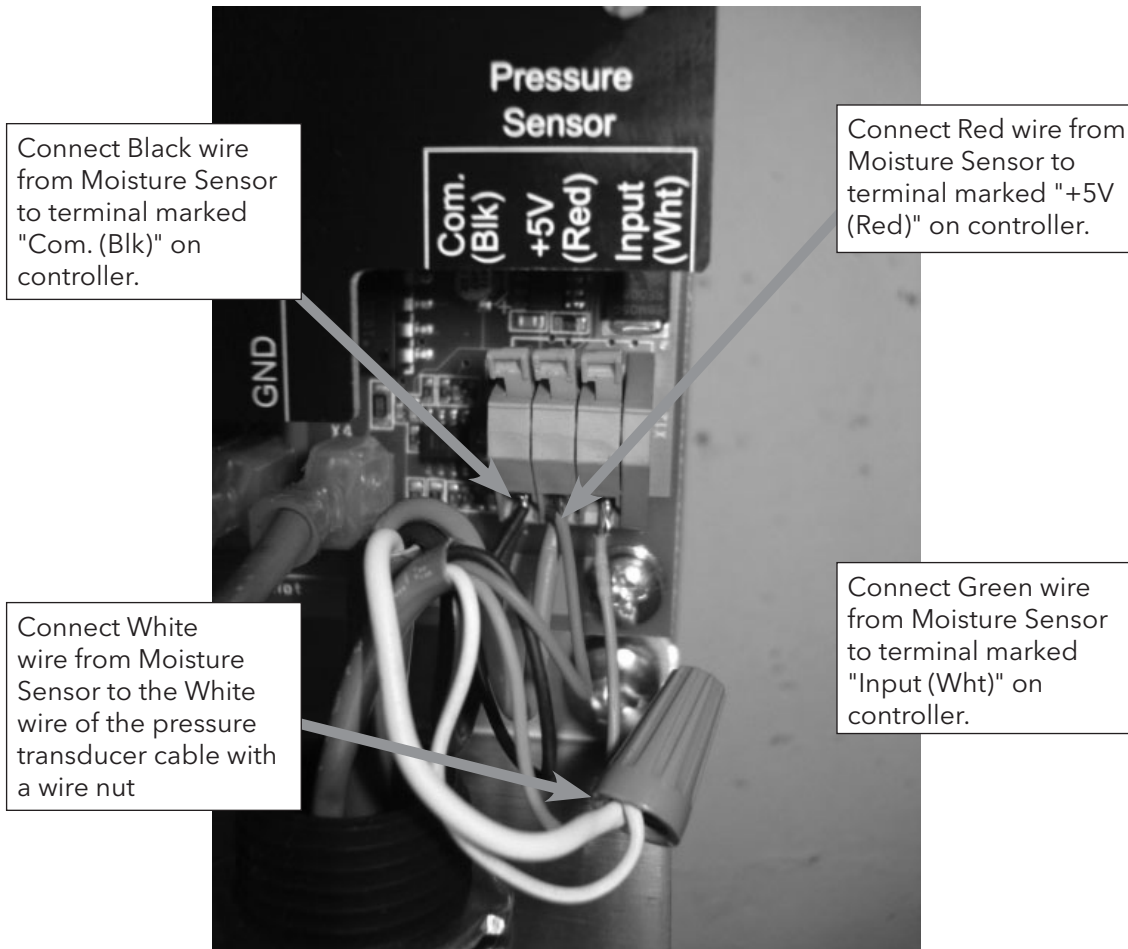
Connections for Moisture Sensor (Part Number 9K585) for Balanced Flow, Aquavar SOLO and 3AB2, 5AB2; ABII Controllers



S-DRIVE AND AQUAVAR SPD



AQUAVAR ABII OR AQUABOOST II



xylem
Let's Solve Water

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