Soil moisture sensor installation with an existing timer

This document is intended to aid in the wiring portion of the SCX soil moisture sensor system installation. This document should be used alongside the manual provided by the manufacturer. When used correctly these devices can produce water savings and maintain high quality landscape conditions. Care should be taken to install these systems properly, including calibration of the system (see “Automatic Threshold Setting” in the Acclima manual). The threshold setting is the percent water content at which the soil moisture sensor system will prevent irrigation from occurring. If the setting is too low for your soil conditions, then too many irrigation events could be bypassed, causing a reduction in landscape quality. If the system threshold is too high, the irrigation may be allowed when it is not necessary; reducing possible water savings. This material has been provided as a part of the Irrigation Retrofit Program funded by the Miami-Dade County Water and Sewer Department.

IMPORTANT: Always turn off the power source before working with any electrical wiring.

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• All wires from COM port must be removed and replaced with black wire from SCX controller (including wires from the pump start relay, if one exists on the system).
• Insert the orange wire from the SCX controller in the 24 volt port which turns on the screen of the controller.
• Wires removed from COM port should be connected to the white wire from the SCX controller.
• Zone wire for the sensor zone is removed from zone port and replaced with green wire from SCX controller.
• Zone wire for the sensor zone is then connected to the red wire from the SCX controller.

After Installation