Acclima SC6/12 Plus Installation: city water system with a master valve and indexing valve

This document is intended to aid in the wiring portion of the Acclima SC6 Plus soil moisture sensor system installation on an existing irrigation system that uses a master valve. 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.

Mary McCready
FYN Extension Agent
Miami-Dade County Cooperative Extension Service
305.248.3311 ext. 230
mlshed@ufl.edu
 Disconnect and remove your analog timer.
- Connect the black/green/white AC power wires to those on your SMS controller.
- Connect your master valve (MV) to the controller (one wire in port #1, and the clear or white wire in a COM port).
- Since your only valve is near the controller, bury your soil moisture sensor in the nearest full-sun, irrigated area and wire it directly to the controller (red wire in port #2, white wire in a COM port, the black wire is not used when wiring to the controller).
- When programming, designate zone #1 a sensor zone and **do not** program any start times for zone #2.
- Use the “soak cycle” function in the timer to set irrigation run times (see Acclima manual).
- Connect your master valve (MV) to the controller (one wire in port #1, and the clear or white wire in a COM port).
- Since your only valve is near the controller, bury your soil moisture sensor in the nearest full-sun, irrigated area and wire it directly to the controller (red wire in port #2, white wire in a COM port, the black wire is not used when wiring to the controller).