

### **Site Installation**

- Sensors are installed in each microclimate of the site
- Each sensor is be watered by a single host zone
- Each sensor is installed in healthy turf and free from runoff
- Sensors are buried at 3 inch depth +/-1 inch. Use a stiff wire probe or ice pick to find the sensor body
- New sites are wired with sheathed 2-conductor cable of at least 14 Gauge diameter
- All wire connections are protected by closed grease caps
- Wiring inside grease caps is secured by tightly fastened wire nuts. Don't open to inspect – ask
- Wires in valve boxes are orderly and easily discernable as to what they control

### **Device Configuration (at the Controller or from Irrigation Manager)**

- Inspect the controller to see that it is clean and not damaged in shipping or by mishandling during installation
- Create and name watering restrictions in accordance with area and site requirements
- Install water sources, master valves and pumps and name them
- Install sensors and name them
- Install flow meters and name them
- Assign each flow meter a water source
- Set pipe diameter or custom settings for each flow meter
- Install any remaining devices and name them
- Install zones and name them. These can be reordered at any time
- Assign a Host Zone to each sensor

### **Zone Checklist**

- Sensor zones are identified and programmed as per site specifications
- Dependent zones are assigned to sensor zones according to the microclimate
- Dependent zones are set to reasonable tracking ratios
- Timed zones have reasonable run times and frequencies
- Each zone should be assigned to the proper water source
- All zones are assigned to the appropriate watering restriction
- All zones water when manually activated
- Water distribution patterns assure efficient coverage (head to head coverage)
- Nozzle types (precipitation rates) are consistent throughout each zone
- Heads are clean with full spray patterns
- Heads are adjusted to avoid sidewalks and parking lots
- If a pressure meter is installed, verify that pressure readings are reasonable
- Set flow rates for each zone (as determined from flow meter readings or as specified if flow meter is not present)

### **Sensor Checklist**

- Verify each sensor reads reasonable moisture, temperature and EC levels
- Identify Field Capacity and Managed Allowable Depletion levels for each sensor
- Program proper threshold settings for each sensor

### **Final Check**

- Run the “Configuration Check” from the diagnostic screen in Irrigation Manager and resolve concerns
- Successfully run the “System Test” from the diagnostic screen in Irrigation Manager
- Verify remote connection is working (Telephone, Ethernet, or Radio)
- Verify “Voice Access” is working (where installed)
- Install the Acclima Email Reporting application and verify it is working (where desired)
- Notify site maintenance personnel of site connection information
- Create a site map with zone names and sensor locations
- File an ‘Initial Configuration’ reference document using the “Print configuration” option in Irrigation Manager
- Create a configuration backup using “Export Configuration” in Irrigation Manager