

Smart Controller Installation Checklist

RAIN MASTER – Eagle Plus

Procedures for Final Inspection of Church Installations:

The following checklist details all items for Rain Master iCentral system installation that are required by Rain Master by Installer prior to final inspection by Authorized Rain Master Representative. This checklist is for smart controller verification purposes only and does not cover all requirements given in Project Specifications.

1. Controller Installation:

- Confirm power to irrigation controller is 120VAC\1 PH.
- Contact Architect (new projects) or Owner's Representative (existing projects) to locate electrical service.
- Call Local Utilities three (3) days prior to excavating or pulling PE-54 wire.
- Label existing valve wires.
- Separate combined valve wires sharing one station.
- Note existing programming.
- Mount Rain Master Eagle Plus according to manufacture specifications included with product.
- Controller must be level.
- All valve and electrical conduit must be secure, level and cleanly installed.
- Install **8 feet (2.45 m)** ground rod with No.8 bare copper wire connected to ground lug in Controller.
- Ground rod must be housed in **6 inch (150 mm)** round valve box.

2. Hydrometer & Flow Sensor Wire Installation:

- Paige PE-54 shall be used for operating the Hydrometer.
- Pull or trench PE-54 wire to Point of Connection POC.
- Bore under sidewalks or driveways as necessary. Sleeve must be used.
- All connections shall be housed in **10 foot (3.05 m)** round valve box.
- All wire connections must be housed in approved waterproof direct bury splice kits.
- Install **3/4 inch (19 mm)** quick coupler and isolation ball valve downstream of new meter.
- Hydrometer, quick coupler and ball valve must be housed in valve boxes.
- All sod must be replaced to original site conditions.

3. Controller Set-Up:

- Set local time and date.
- Turn communications one.
- Note Controller serial number and iCard serial number and contact local Irritrol/Rain Master District Sales Manager.
- Existing Projects only: Program Controller using programming that was in original irrigation Controller.
- Set Hydrometer to Normally Open under SETUP function.
- Activate flow under SETUP, set flow sensor to OTHER, k = 1 & OFFSET = 1.
- Confirm Controller is reading flow - turn flow function off.
- Site Manager will set up Eagle Plus Controller: Flow, ET, Notifications, E-mail addresses.
- Test each zone and confirm system is 100 percent operational.

4. Final Check:

- Train Owner's Representative on controller operation and function.
- Set up new iCentral account.
- Train Owner's Representative on iCentral software at www.rainmaster.com.
- Note site conditions, plant type, slopes, and soil conditions.
- Train Owner's Representative on ET and its function and operation related to iCentral programming.
- Turn on Flow, set mainline limit, unscheduled flow limit and set up Learn Flow for site.
- Follow up training online or at next site visit.

I hereby certify that the Smart Controller Installation Checklist has been completed and all deficiencies have been corrected.

Signature: _____ Printed Signature: _____

Date: _____